



Annual Report 2018-19



WILDLIFE WING
Directorate of Forests
GOVERNMENT OF WEST BENGAL







Annual Report 2018-19



© Wildlife Wing
Directorate of Forests
Government of West Bengal, 2019

Materials from this publication
Maybe used for educational
Purposes provided due credit
is given.

Material from this publication
Can be used for commercial
Purposes only with the
Permission from WILDLIFE WING
Directorate of Forests
GOVERNMENT OF WEST BENGAL

Bikash Bhawan
North block, 3rd floor, Salt Lake City
Kolkata - 700091

Website: www.wildbengal.com

Creative and Printing
Kolaz Infotainment
+91 98303 00999





MI

ESSAGES



রাজীব ব্যানার্জী
রাজীৱ বনর্জী
راجیب بنرجی
Rajib Banerjee



ভারপ্রাপ্ত মন্ত্রী, বন বিভাগ, পশ্চিমবঙ্গ সরকার
প্রমারী মন্ত্রী, বন বিভাগ, পশ্চিম বঙ্গাল সরকার
وزیر انچارج جنگلاتی محکمہ (مغربی بنگال)
Minister-in-Charge
Forest Department, Govt. of West Bengal

November 29, 2019



Message

The spectacular variety of bio-diversity in West Bengal is spread over the great Himalayas in the north to the Bay of Bengal in the south and from the dry lateritic terrain in the west to the wetlands in the east. It is of utmost importance to us to conserve this bio-diversity for the sake of this earth and the future generation.

Over the years, the various conservation plans on forests and wildlife in the state has been implemented very effectively by the Government of West Bengal. The objective has been to maintain the spirit of development while improving the health of bio-diversity and ecological balance simultaneously. Caring the wildlife as well as that of the people living beside the forests has been the key to such successful implementation.

The Annual Report, 2018-2019 of Wildlife Wing, West Bengal highlights all such efforts, which have been initiated and executed with excellence by the Wing under Directorate of Forests, W.B. for conservation of Wildlife in the state - like celebration of Wildlife Day, 2018 delivering the Wildlife Conservation Awards, 2018 in three separate fields of Protection, Conflict Mitigation and Conservation Awareness of Wildlife, continuing the "Bonya Pran Sathi Prokopa", Wildlife Conservation Awareness programmes throughout the year etc.

I wish all the very best to the staff, officials and the stake-holders who have been functional in preparing and publishing this issue of the Annual Report, 2018-2019 and wish all success to the edition.

29/11/19
(Rajib Banerjee)

সুজিত বোস
রাষ্ট্রমন্ত্রী (স্বাধীন দায়িত্বশীল)
অগ্নিনির্বাপন ও জরুরী পরিষেবা দপ্তর
এবং
রাষ্ট্রমন্ত্রী
বন দপ্তর
পশ্চিমবঙ্গ সরকার
মোবাইল : ৯৮৩০০ ৫৩৩৪৭



SUJIT BOSE
MINISTER OF STATE
(INDEPENDENT CHARGE)
DEPARTMENT OF FIRE AND EMERGENCY SERVICES
&
MINISTER OF STATE
FOREST DEPARTMENT
GOVERNMENT OF WEST BENGAL
Mob. : 98300 53347
E-mail : mosaicfiredepartment@gmail.com

D.O. No. 04/MOS/F

Date 27.11.19

MESSAGE

Our State, West Bengal extends from the great Himalayas in the North to the Bay of Bengal in the South and is bestowed with variety of bio-diversity – to us. It is of utmost importance to conserve this bio-diversity in order to ensure the safe future of the human civilisation.

The Government of West Bengal under the flag of Wildlife Wing of Forest Department has been actively working for the conservation of forests and wildlife in the state and successfully implemented them over the years. The motto has been to maintain a healthy balance between human development and conservation of wildlife and bio-diversity.

The Annual Report, 2018-19 of Wildlife Wing, West Bengal highlights all such efforts, which have been initiated and executed with excellence by the Wing for conservation of Wildlife in the State – like Rhino Census, rescue and rehabilitation of strayed elephants, conservation awareness generation programme, the “Bonya Pran Sathi Prokolpa” etc. and many more.

I wish all the very best to the staff, officials and the stake-holders who have been instrumental in preparing and publishing this issue of the Annual Report, 2018-19 and wish all success to the edition.


[Sujit Bose]



Message

The wilderness of West Bengal is home to an array of highly endangered and protected animals starting from Tiger, Great Indian One Horned Rhinoceros, Red Panda, Asian Elephant, Gaur, Estuarine Crocodile, Leopard, Fishing Cat, Jungle Cat, Batagur Baska etc.

Balancing the work of conservation of forests and wildlife and the interest of common people regarding their development as well as active participation in conservation efforts is the prime objective of the West Bengal Forest Department. Many a times, conflict occurs when wild animals namely, elephant, tiger, Gaur, leopard etc. stray in human habitations near by the forests and affect the daily life of common people - in all such cases our objective remains to save the lives and properties of the people from accidental confrontation with the wild animal as well as to save the animal from any harm by retaliatory action and safely sending them back to natural habitat.

In this time of growing urbanisation, there is always pressure on forests, environment and wildlife. In such condition, the Wildlife Wing, West Bengal under the Department of Forests, Govt. of West Bengal is continuously working hard with the objective of protection and conservation of nature and wildlife, without affecting the process of development, by taking into confidence the members of the Eco-Development Committees and the Joint Forest Management Committees.

The Annual Report, 2018-19 of Wildlife Wing, West Bengal has featured all the activities of this Wing throughout the year 2018-19 reflecting the successes and achievements of this Wing in the field of wildlife conservation.

B P Gopalika

FOREWORD





Foreword

West Bengal is a State which is recognised as the frontrunner in Joint Forest Management in India. Here the spirit of conservation revolves around long term preservation of bio-diversity and wildlife eco-system by involving more participation by common people. The involvement of members of Eco-Development Committees and Joint Forest Management Committees makes the efforts positively executable in wildlife conservation activities.

In recent years, the Wildlife Wing, West Bengal has initiated several innovative ideas in connection with human-wildlife conflict management like Rapid Response Force, Human-Animal Conflict Management vehicle "Airawat", continuous mass awareness campaign with wildlife tableau etc. On the other hand, in connection with wildlife conservation events like the Annual Biodiversity Camps, Buxa Bird Festival have been organised and "*Bonya Pran Sathi Prokolpa*" has been continued in second year, for involvement of responsible members of public to have a hands-on experience of actual works done by the departmental staff for protection and conservation wildlife staying inside the Beat office compounds.

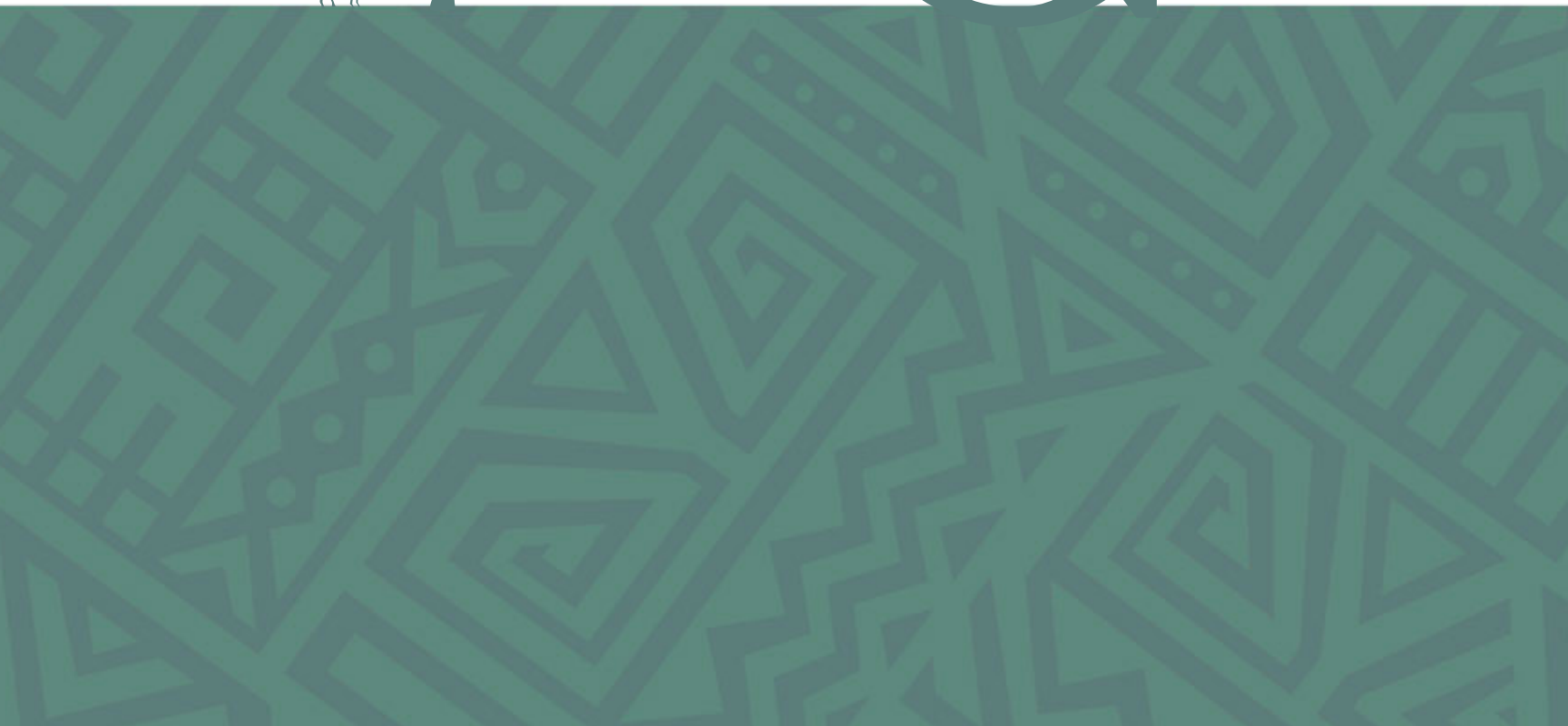
The Annual Report, 2018-19 is a record of events and information of the activities carried out by the Wildlife Wing, West Bengal in the field of protection and conservation of wildlife. I hope the Report will be immensely useful to the staff-officers of the Department as well as the common people involved in the field and also motivate others in the conservation of wildlife.

I express my heartfelt thanks to the Officers and Staff of Wildlife (Headquarters), West Bengal who have been working sincerely in preparing the Annual Report, 2018-19. I also extend my gratitude to all the field officers serving in different capacities of the Forest Directorate who have contributed by providing information and photographs for this report.

Ravi Kant Sinha



CONTENTS



1

INTRODUCTION
TO THE STATE

02-07

2

WILDLIFE
CONSERVATION
AND MANAGEMENT
IN WEST BENGAL

08-25

3

ESTIMATION OF
WILD ANIMALS

26-35

4

HUMAN - WILDLIFE
CONFLICT

36-63

5

SEIZURE OF WILDLIFE
AND WILDLIFE
ARTICLES IN
WEST BENGAL

64-69

6

BUDGET OF
WILDLIFE WING
2018 – 2019

70-79

7

WILDLIFE
CONSERVATION
AWARDS, 2018

80-85

8

ECO-TOURISM

86-97

9

TRAINING AND
AWARENESS
PROGRAMMES
ON WILDLIFE

98-109

10

IMPORTANT
EVENTS OF
2018 -2019

110-139

11

ANNEXURE

140-188







INTRODUCTION TO THE STATE

02-07



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 unbelieving 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. Sundarban wetland is declared as Ramsar Site from 30th January, 2019.

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

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

* 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

08-25



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. The details of plantations of Fodder, Bamboo, Grass, etc. during 2018-19 are annexed.

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
National Parks:				
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
Total	1981.4817			
Sanctuaries:				
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 & 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
Total	1502.8146			

2.03 Tiger Reserves in West Bengal

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

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 agallocha</i> , etc.
Total	9630				

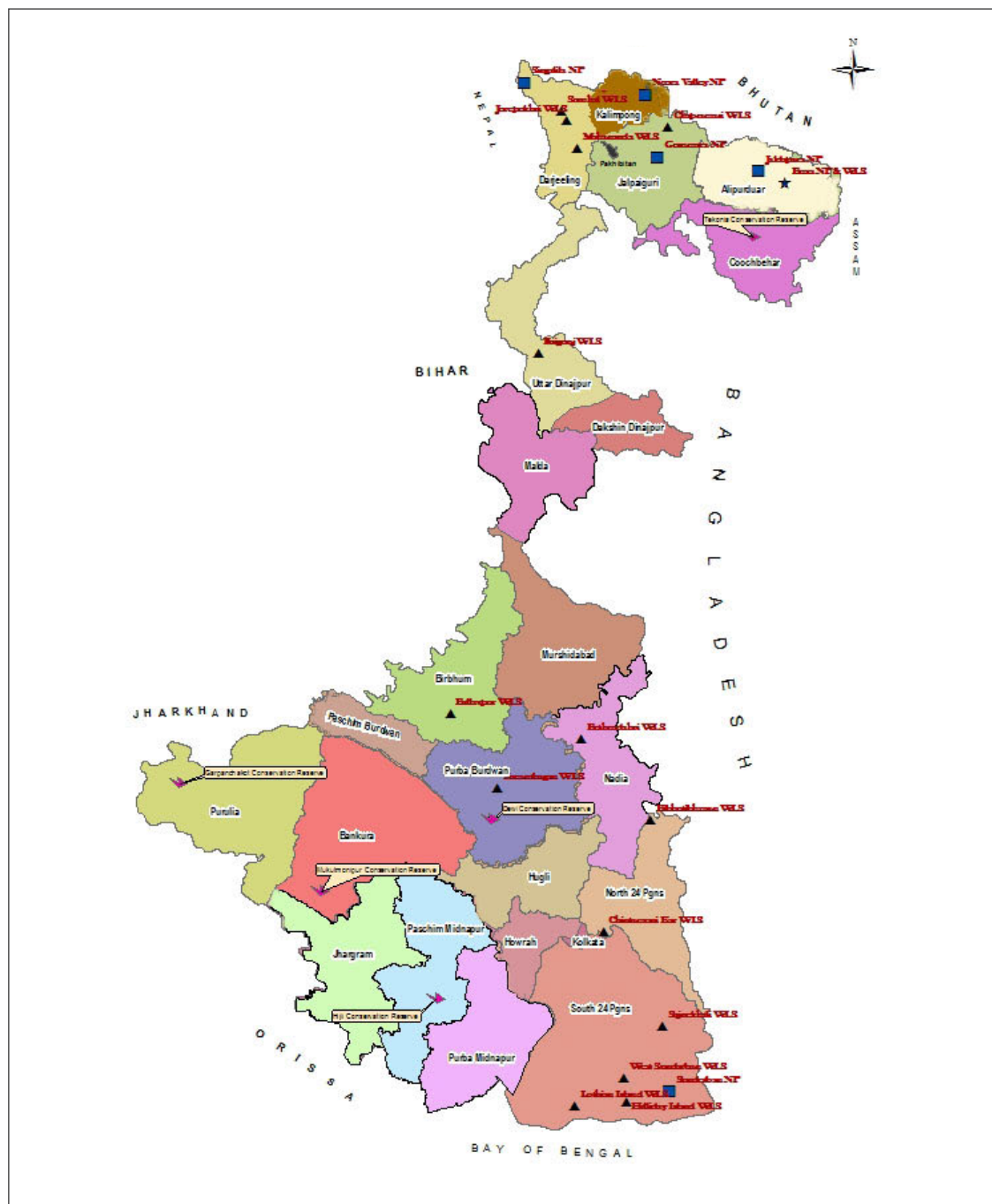
2.05 Elephant Reserves in West Bengal

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

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
Total	1415.91			

2.07 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	Mayurjharna Elephant Reserve	2014-15 to 2023-24	Approved
4	Gorumara National Park	2018-19 to 2027-28	Draft Management Plan Submitted
5	Singhalila National Park	2013-14 to 2022-23	Management Plan Operational
6	Neora Valley National Park	2018-19 to 2028-29	Draft Management Plan including newly added area Submitted
7	Jaldapara National Park	2019-20 to 2028-29	Draft Management Plan Submitted
8	Mahananda Wildlife Sanctuary	2011-12 to 2021-22	Management Plan Operational
9	Senchal Wildlife Sanctuary	2012-13 to 2021-22	Management Plan Operational
10	Chapramari Wildlife Sanctuary	2011-12 to 2021-22	Management Plan Operational
11	Bethuadahari Wildlife Sanctuary	2013-14 to 2022-23	Management Plan Operational
12	Bibhutibhusan Wildlife Sanctuary	2011-12 to 2020-21	Management Plan Operational
13	Ballavpur Wildlife Sanctuary	2009-10 to 2019-20	Management Plan Operational
14	Ramnabagan Wildlife Sanctuary	2012-13 to 2022-23	Under consideration for approval
15	Raiganj Wildlife Sanctuary	2011-12 to 2020-21	Management Plan Operational
16	Halliday Island Wildlife Sanctuary	2017-18 to 2026-27	Draft Management Plan Submitted
17	Lothian Island Wildlife Sanctuary	2017-18 to 2026-27	Draft Management Plan Submitted
18	Chintamani Kar Wildlife Sanctuary	2015-16 to 2024-25	Under Process
19	West Sundarban Wildlife Sanctuary	2016-17 to 2025-26	Management Plan Operational
20	Pakhi Bitan Wildlife Sanctuary	-	Under Process

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.

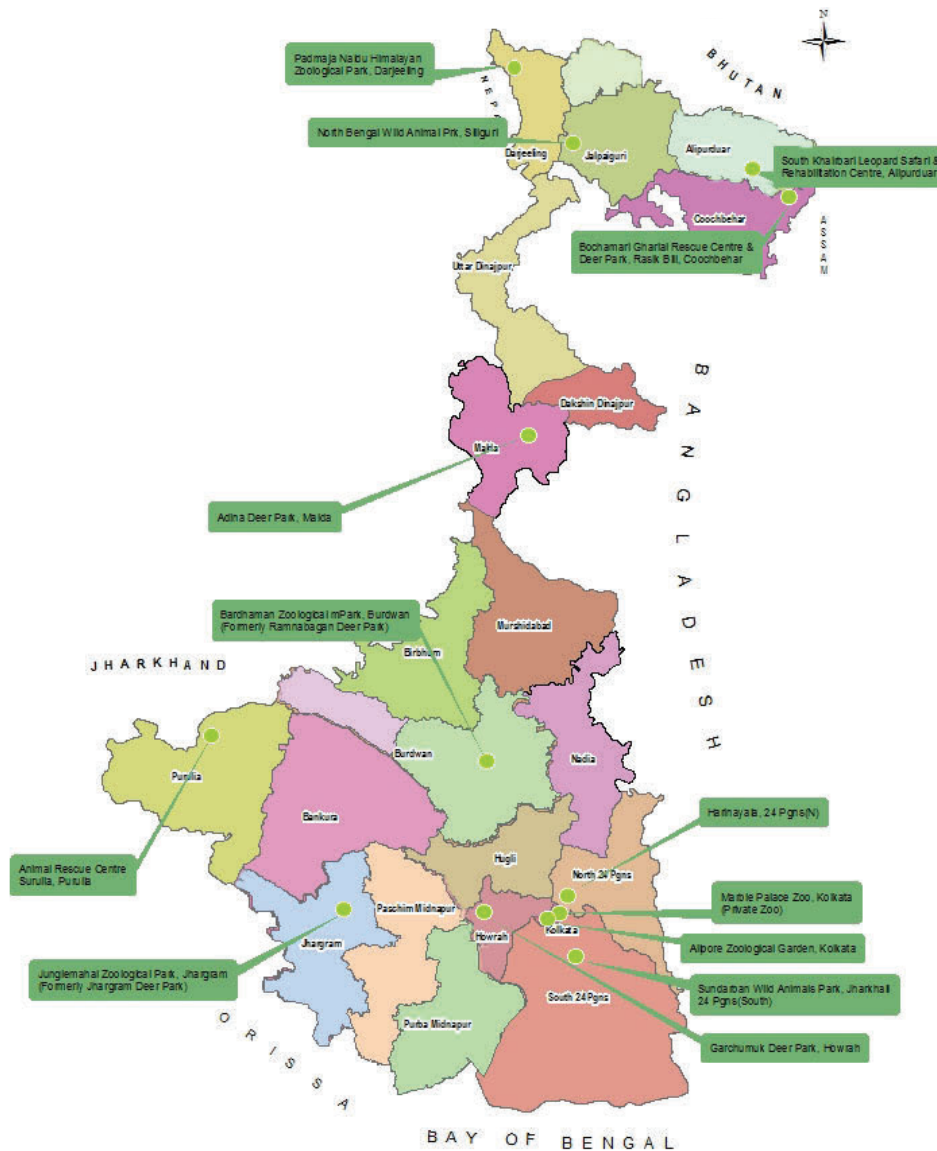
Government Zoos

- | | |
|--|--|
| 1. Adina Deer Park, Adina, Malda | 10. South Khairbari Leopard Safari & Rehabilitation Centre, Coochbehar |
| 2. Alipore Zoological Garden, Kolkata | 11. Sundarban Wild Animals Park, Jharkhali (Jharkhali Satellite Zoo) |
| 3. Animal Rescue Centre, Surulia | 12. Harinalaya, Eco Park, New Town, Kolkata |
| 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 | |

Private Zoos

- | |
|----------------------|
| 1. Marble Palace Zoo |
|----------------------|

2.11 LOCATION OF ZOOS AND RESCUE CENTRES IN WEST BENGAL



Not to Scale



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

Sl. No.	Name	Division / District	Status	CZA's letter no.
1.	Padmaja Naidu Himalayan Zoological Park	Darjeeling Division	Recognized as a 'Medium Zoo' upto 20.01.2019	F. No. 19-20/92-CZA(325) (Vol. IX)/367/2016, dt. 03.03.2016
2.	North Bengal Wild Animal Park, Siliguri	Jalpaiguri	Relocation of Kunjanagar Eco-Park, Jalpaiguri to North Bengal Wild Animal Park, Siliguri approved by the CZA vide F.No.22-64/2004-CZA(461) (AK)/7287, dt. 10.06.2015	For.Deptt., Govt. of WB's Letter No. 2372-For/O/N/ 11-M-71/2013 dt. 21.11.14
3.	South Khairbari Leopard Safari & Rehabilitation Centre, Coochbehar	Jaldapara Wildlife Division	Recognized as 'Mini Zoo' upto 30.09.2015. This has been ordered to be physically closed vide letter F.No. 22-64/2004-CZA(461)(M)/4625 dt. 09.04.14. of CZA. This to be maintained as South Khairbari Rescue Centre only.	F.No. 22-63/2004-CZA(462) (M)/3635 dt.26.09.2013
4.	Bochamari Gharial Rescue Centre and Deer Park/ Rasik Beel	Coochbehar Division	Recognized as 'Mini Category Zoo', upto 22.03.2020. (The Satellite Facility at Kholta of Rasik Beel Mini Zoo has been ordered to be physically closed vide letter F.No. 22-64/2004-CZA(461)(M)/4625 dt. 09.04.14.	F.No.22-88/2004-CZA(499) (Vol.II)/(PKR)/2900/2018 dt.10.04.2018
5.	Animal Rescue Centre, Surulia	Kangsabati (North) Division	Recognized as 'Mini Zoo' upto 05.05.2018	F.No.22-71/2004- CZA(457)(NS) /902/2016 dt.15.06.2016.
6.	Adina Deer Park, Adina, Malda	Malda Division	Recognized as 'Mini Zoo' upto 05.05.2018.	F.No.22-49/2004-CZA(489) (NS)/911/2016, dt.20.06.2016.
7.	Bardhaman Zoological Park, Bardhaman (formerly known as Ramnabagan Deer Park)	Burdwan Division	Recognized as 'Small Category Zoo' upto 05.05.2017 (Name changed to Bardhaman Zoological Park vide W.B. Govt. Notification No. 1153-For/O/ 11M-11/2015 dt. 03.06.15)	F.No. 23-67/2004-CZA(473) (Vol.I)(Pt.)NS/963 /2016, dt.22.06.2016.

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

Sl. No.	Name	Division / District	Status	CZA's letter no.
8.	Garchumuk Deer Park	Howrah Division	Recognized as 'Mini Zoo' upto 05.05.2017.	F.No. 23-3/97-CZA (382) (NS)/978/20/8, dt.22.06.2016
9.	Alipore Zoological Garden, Kolkata	Kolkata	Recognized as 'Large Category Zoo' upto 30.11.2018.	F.No.19-45/92-CZA (328) (Vol.III) (Pt.)(NS)/8024, dt.18.11.2015.
10.	Marble Palace Zoo (Private)	Kolkata	Recognized as 'Mini Zoo' upto 22.03.2019.	19-81/93-CZA(316)(M)/4622, dt. 09.04.2014.
11.	Junglemahal Zoological Park, Jhargram (Formerly known as Jhargram Deer Park & Mini Zoo)	Jhargram Division	Recognized upto 21.03.2019 (Name changed to Junglemahal Zoological Park vide W.B. Govt. Notification No. 1153-For/O/11M-11/2015 dt. 03.06.15)	F.No.19-204/93-CZA(321) (Vol.II) (AK)/700/2017 dt. 30.03.2017
12.	Sundarban Wild Animals Park, Jharkhali (Jharkhali Satellite Zoo)	24-Parganas (South) Division	Relocation of Kumari Kangsabati Deer Park, Bankura to Sundarban Wild Animals Park, Jharkhali approved by the CZA	F.No.19-224/93-CZA(322)(NS) /7298 dt. 17.06.2015 & F.No. 19-224/93-CZA(322)(Vol-I)(AK) /2048/2016 dt. 15.07.2016
13.	Harinalaya, New Town, Kolkata	24-Parganas (North) Division	Deer Park	F.No. 22-81/2004-CZA(498) (Vol.I)(NS)/7547 dt. 06.08.2015



ESTIMATION OF WILD ANIMALS

26-35





ESTIMATION OF WILD ANIMALS

3.01 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.

Census Year	Location	Total number of Tigers	Remarks
2018	Sundarban Tiger Reserve & 24-Parganas (South) Division	88	Estimation of Tiger, Co-predators and Prey as per procedure prescribed by NTCA



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





Gaur (*Bos gaurus*) :

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)

3.03 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.

Elephant (*Elephas maximus*) :

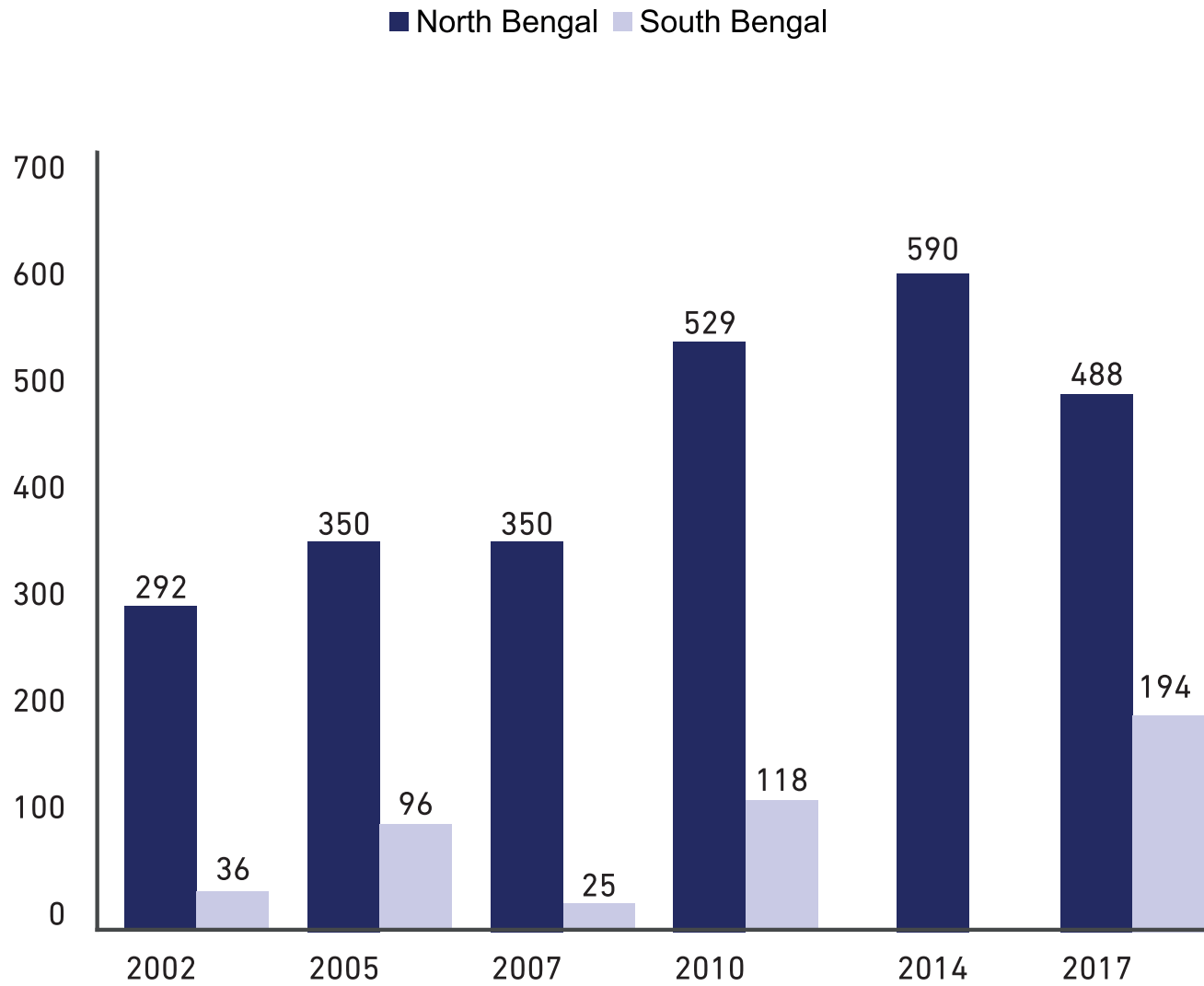
Year	Total Number
1989	175
1993	186
1997	230-250
1998	230-250
2000	327
2002	328*
2005	North Bengal 300-350 & South Bengal 96
2007	North Bengal 300-350 & South Bengal 25 (excluding migratory population)
2010	North Bengal 529 & South Bengal 118 (including migratory population)
2014	North Bengal 590+Census 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 14th August, 2017



3.04 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.

Elephant Population in North and South Bengal



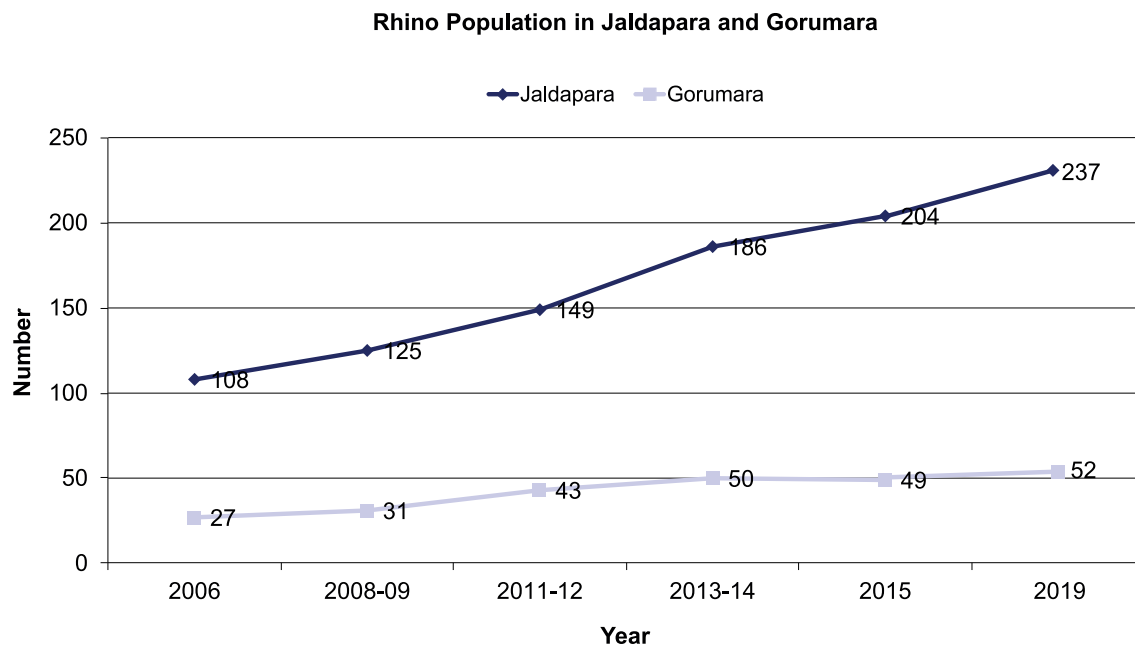


3.05 RHINOCEROS (*Rhinoceros unicornis*)

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:			
Year	Jaldapara	Gorumara	Total
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

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



Rhino Population (as per 2019 Census):				
Protected Area	Male	Female	Sex unidentified	Total
Jaldapara NP	98	94	45	237
Gorumara NP (including Chapramari WLS & adjoining areas of Gorumara & Chapramari)	25	17	10	52
Grand Total	123	111	55	289

3.06 CROCODILE - SALT WATER CROCODILE (*Crocodylus porosus*)

STR & 24-Parganas (South) Division

Year	Indirect sighting	Direct sighting			
		Adult	Juvenile	Hatchling	Total
2012	99	69	61	10	140

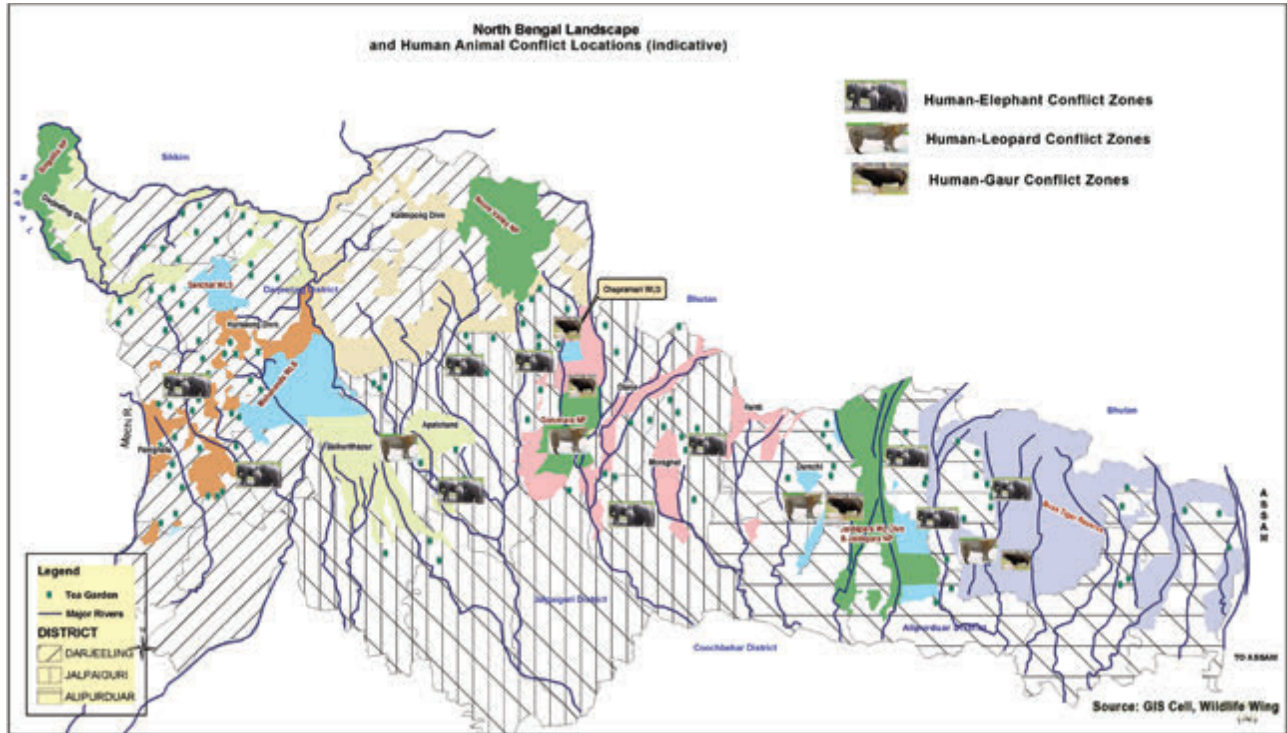




HUMAN WILDLIFE CONFLICT AREAS IN WEST BENGAL

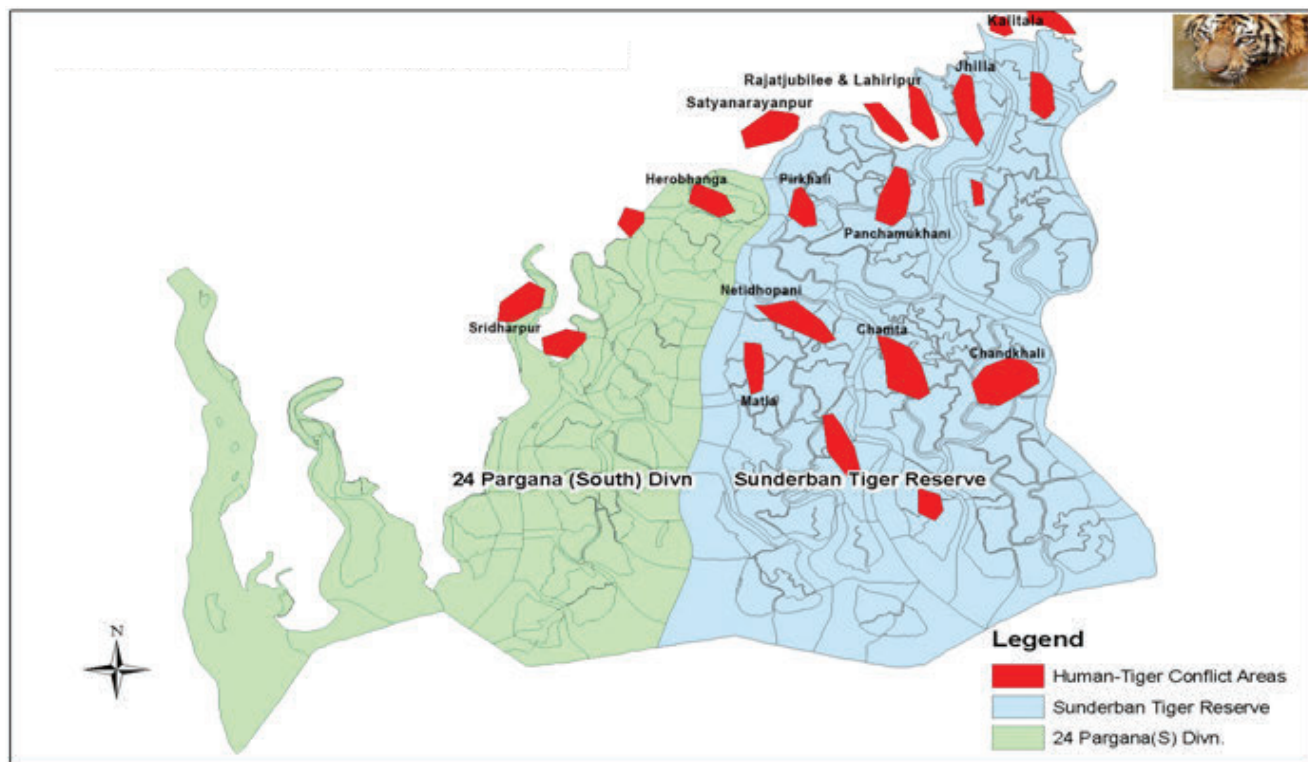
36-63





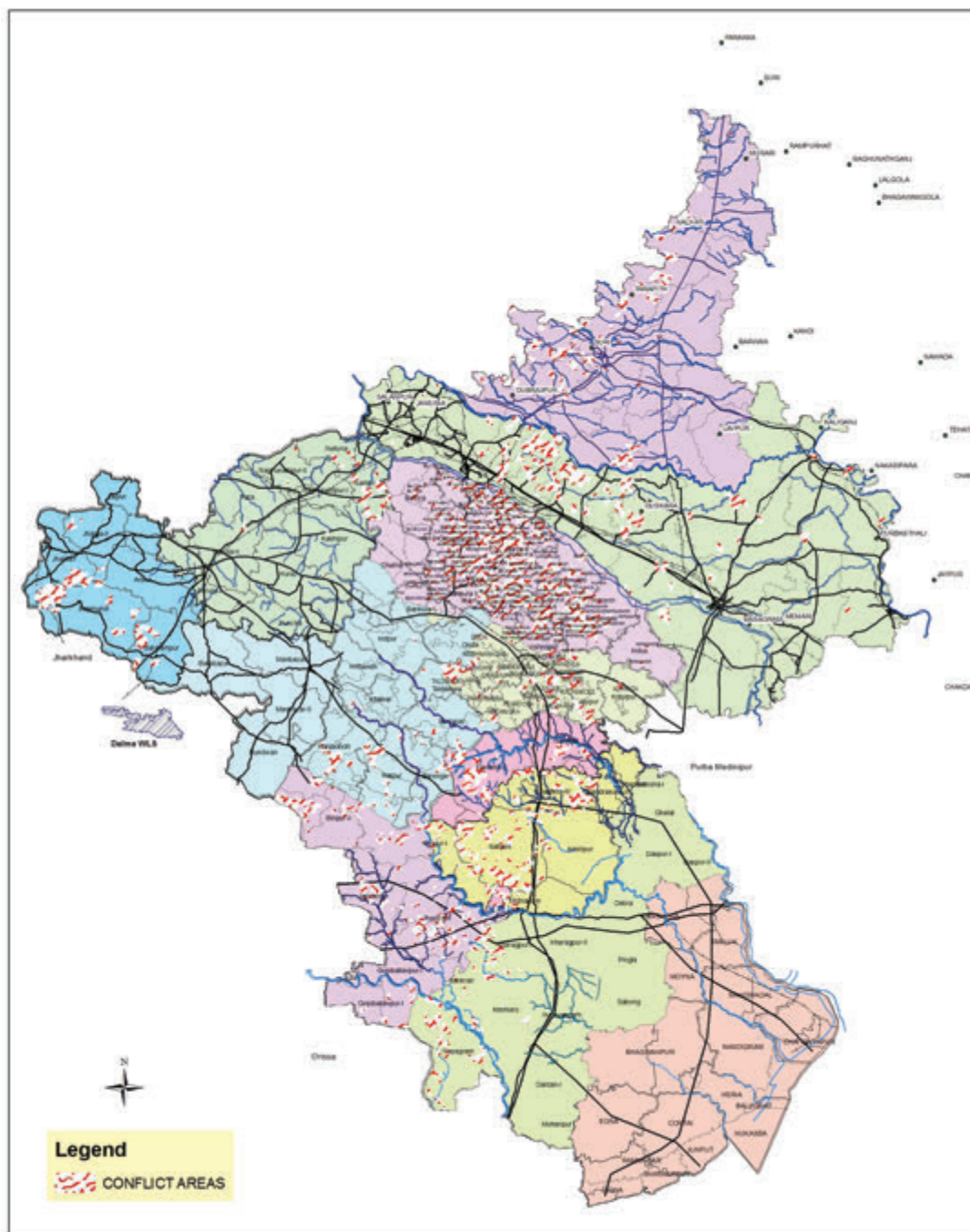


4.02 HUMAN-TIGER CONFLICT AREAS IN SOUTH BENGAL

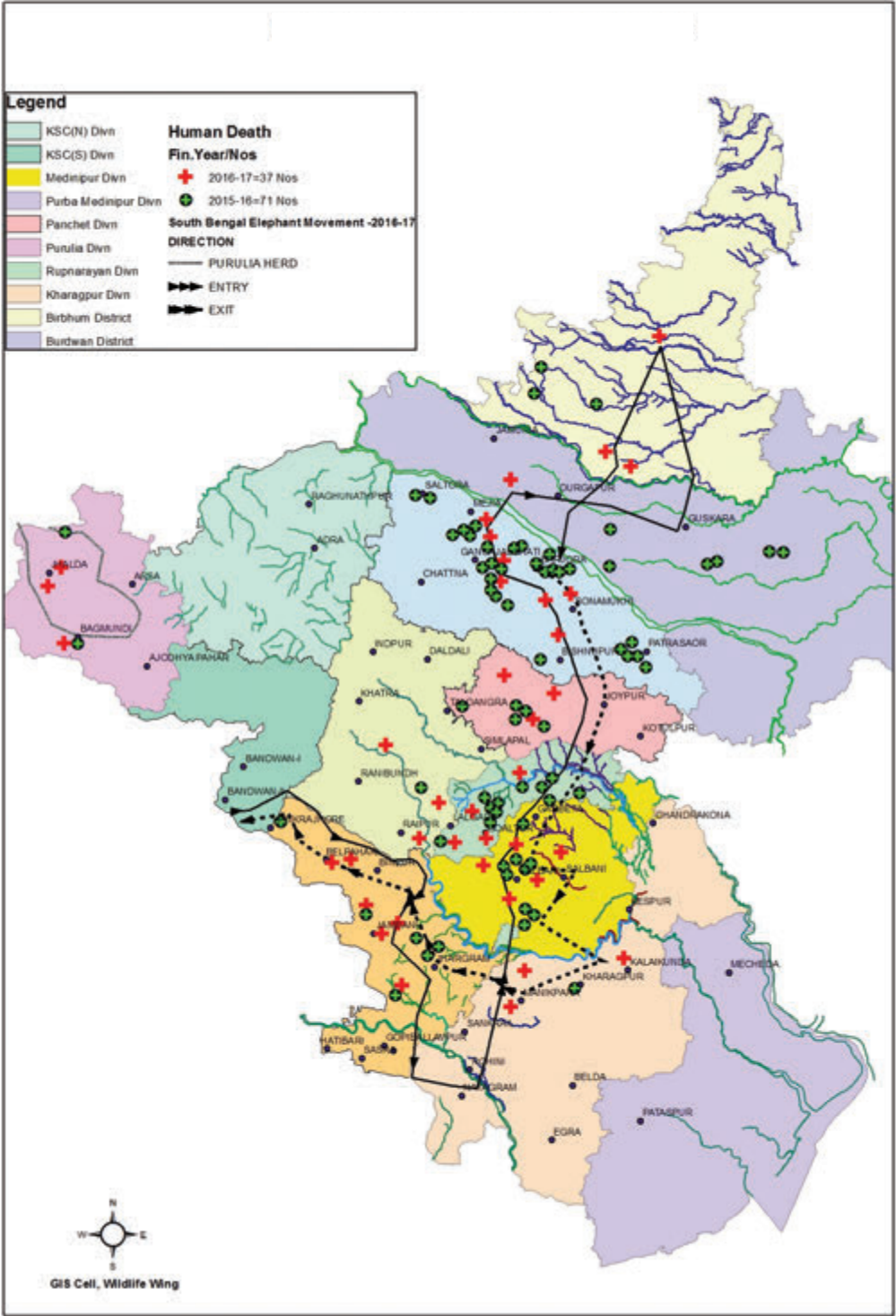




4.03 HUMAN-ELEPHANT CONFLICT AREAS IN SOUTH BENGAL



HEC affected South Bengal Division/Districts



4.04 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.



4.05 Death of Wild Animals during 2018-19 in West Bengal:

Name of Animals	Natural Death	Accident	Poaching	Retaliatory Killing	Total
Wild Elephant	28	9	1		38
Tiger				1	1
Leopard	27	4			31
Rhinoceros	6		1		7
Gaur	93	1			94
Barking Deer	18	2	1		21
Sambar	14	1			15
Spotted Deer	7	1			8
Wolf	2				2
Wild Boar	5				5
Leopard Cat	5	1			6
Jungle Cat	4				4
Marbled Cat	1				1
Dolphin	9	1			10
Fox	1				1
Fishing Cat	1	3			4
Hog Deer	3				3
Total	224	23	3	1	251

4.06 Death of Wild Animals caused by Train accident during 2018-19:

Species	Date and time	Place of occurrence	Description	Number
Elephant	08-Jun-18	Collided with rail while crossing track at point 87/8 km on Chalsa -Alipurduar route near Carron Rail Station, Jalpaiguri Division	Female	1 No.
Elephant	06-Jul-18	Near post no. 85/5, Jalpaiguri Division	Adult	1 No.
Elephant	06-Jul-18	Near post no. 85/5, Jalpaiguri Division	Calf	1 No.
Elephant	07-Aug-18	Mouza Dumuria in Kanaisole Beat under Gidhni Range, Jhargram Division	Male, Adult	1 No.
Elephant	07-Aug-18	Mouza Dumuria in Kanaisole Beat under Gidhni Range, Jhargram Division	Female, Adult	1 No.
Elephant	07-Aug-18	Mouza Dumuria in Kanaisole Beat under Gidhni Range, Jhargram Division	Calf	1 No.
Leopard	09-Aug-18	Kiran Chandra T.E. under Bagdogra Range, Kurseong Division	Male, Adult	1 No.

4.07 Death of Wild Animals caused by Road accident during 2018-19

Sl. No.	Animal	Sex	Age	Division	Date	Place of incidence
1.	Fishing Cat	Male	Adult	Howrah Division	14-Aug-18	Nabagram, Shampur
2.	Leopard Cat	Male	Adult	Jalpaiguri Division	07-Sep-18	Maynaguri-Chalsa Road, Lataguri Range
3.	Barking Deer	Female	Adult	Buxa Tiger Reserve (West)	23-Dec-18	NH-31C, DPO-8 Comptt., East Damanpur Beat

4.08 Death of elephants caused by electrocution during 2018-19

Sl. No.	Date	Sex	Age	Place of incidence	Division	Category	Cause of Death
1.	24-Jul-18	Female	25 yrs.	Adjacent land of Simulbari Tea Garden	Kurseong Division	Accident	Accidental electrocution inflicted organ failure
2.	30-Sep-18	Female	Adult	Lohadingi Mouza under South Panbari Beat, East Rajabhatkhawa Range	Buxa Tiger Reserve (West)	Poaching	Electric shock
3.	11-Jan-19	Male	25-30 yrs.	Vill. Nepura, Mouza-Biji, J.L.No. 147	Medinipur Division	Accident	Accidental Electrocution
4.	11-Jan-19	Male	25-30 yrs.	Vill. Nepura, Mouza-Biji, J.L.No. 147	Medinipur Division	Accident	Accidental Electrocution

4 elephants killed due to electrocution during 2018-19 in West Bengal.

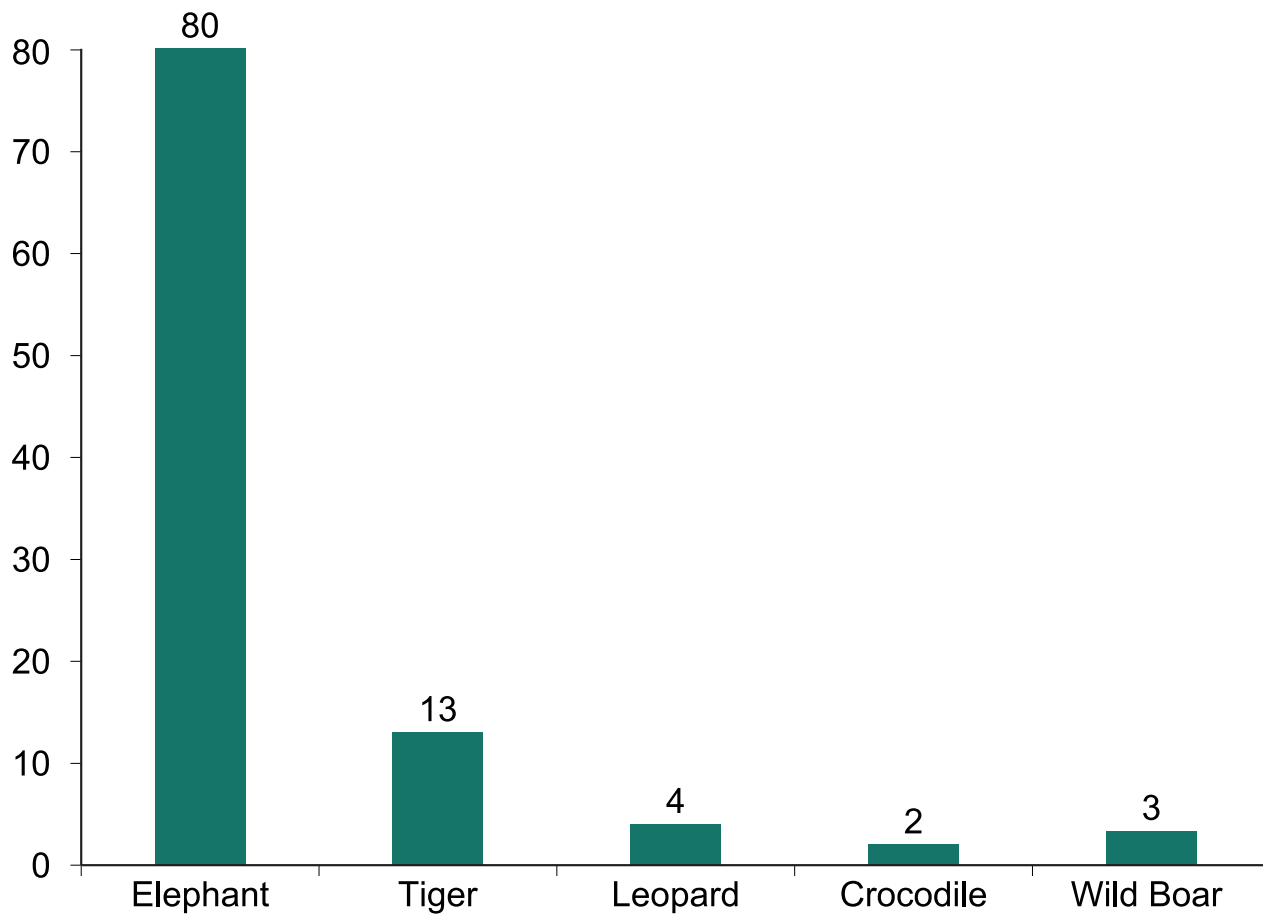
4.09 Death of Departmental Elephants during 2018-19 - NIL

4.10 Person killed / injured by Wild Animals during 2018-19

Sl. No.	Name of Animals	No. of Persons Killed	No. of Persons injured
1	Elephant	80	81
2	Tiger	13	
3	Leopard	4	61
4	Gaur		9
5	Crocodile	2	1
6	Wild Boar	3	5
7	Hyena	2	
8	Himalayan Black Bear		1
9	Python		1
	Total	104	159



4.11 PERSONS KILLED BY MAJOR WILD ANIMALS DURING 2018-19



4.12 Forest Staff Killed / Injured by Wild Animal during 2018-19

Date	Name	Designation	Injured / Killed by	Division	Remarks
25-May-18	Markush Ekka (Oraon)	DL	Killed by Wild Elephant	Jaldapara Wildlife Division	At the time of elephant driving duty he was attacked by the wild elephant
22-Jun-18	Ganga Ram Tigga	PDL	Killed by Gaur	Jaldapara Wildlife Division	At the time of patrolling at BD-7(a) Compartment he was attacked by Gaur and died on spot
08-Aug-18	Sri Lakhindra Rava	PDL	Injured by captive elephant 'Srimanta'	Jaldapara Wildlife Division	Fifty feet Beat Complex
05-Dec-18	Sri Nelay Guha Majumder	FG	Injured by Gaur	Jaldapara Wildlife Division	At the time of foot patrolling at JP-1 Compartment he was injured by Gaur
19-Mar-19	Nurul Islam	PDL	Injured by Gaur	Jaldapara Wildlife Division	On 19.03.2019 he was injured by Gaur & hospitalized for ten days
30-Mar-19	Manik Das	PDL	Killed by Captive Elephant	Jaldapara Wildlife Division	On 30.03.2019 he was attacked by captive elephant & died
20-Oct-18	Krishna Chettri	CDL	Killed by Elephant	Darjeeling Wildlife Division	Koklong Beat, Sukna Range
21-Apr-18	Sibu Hembram	Banashramik	Killed by Elephant	Medinipur Division	Chandra Beat under Chandra Range
19-Jun-18	Tapan Nandi	FG	Injured by tiger	Sundarban Tiger Reserve	During special Patrolling duty along with other three staffs at Matla – III, Gupti Khal side) under N.P.(W) Range

Forest staff killed by wild animal during 2018-19 – 5 Nos.

Forest staff injured by wild animal during 2018-19 – 4 Nos.

4.13 Straying of Wild Animals during 2018-19

Date	Animal description	Location	Management action	Extent of damage (if any)
Elephant				
01.04.2018 to 31.03.2019	1 No. Elephant	In the forest of Panagarh Ammunition Depot of Panagarh Military Base.	Deployment of staff, D.L., Local Hulla Party, JFMC. Intensive campaigning etc.	Human injury
11.04.2018 to 12.04.2018	2 Nos. Elephant	Entered from Barjora (Bankura North Division) to Durgapur Bazar, ABL Township, Bidhannagar to FCI jungle then entered in Arrah mouza under Arrah Beat. Tranquilized and released in forests.	Deployment of staff, D.L., Local Hulla Party, JFMC. Intensive campaigning etc.	
29.04.2018	Elephant-2 Nos.	Atiamochor Khakribari forest, Coochbehar Division	Observation of movement & protection, elephants west back to BTR	
29.04.2018	Wild Elephant (Adult, Male, Tusker)	Khagribari, Coochbehar	Driven away by staff	
17.05.2018	Wild Elephant (Adult, Male, Tusker)	Jorai, Rampur, Coochbehar	Driven away by staff	Killed one woman
17.08.2018	Wild Elephant	Khuttimari Village, Buxa Tiger Reserve (East)	Driven away by staff	Crop damage
25.08.2018	Wild Elephant	Khuttimari Village, Buxa Tiger Reserve (East)	Driven away by staff	Crop damage
25.08.2018	06 Nos. Wild Elephant, Average age- 10 Years aprox, 01 No.- Male and 05 Nos. – Female.	Dudhiadoba, Simlapal	Engagement of Wild Elephant Monitoring Team.	Crop damage
07.09.2018	Wild Elephant	Khuttimari Village, Buxa Tiger Reserve (East)	Driven away by staff	Crop damage
10.10.2018	Wild Elephant	Balapara Village, Buxa Tiger Reserve (East)	Driven away by staff	Crop damage
11.12.2018 to 17.12.2018	Elephant – 18 Nos.	Khairasole, Md. Bazar, Rajnagar, Dubrajpur, Suri Rampurhat of Birbhum Division		Crop damage

Date	Animal description	Location	Management action	Extent of damage (if any)
Elephant				
13.12.2018	Elephant-2 Nos. Male, Adult	Gangaram T.E., Kurseong Division	Safely drive to forests	Tea bushes
24.12.2018	Elephant-4 Nos. Adult-3, Sub-adult-1	Bhariadangi, P.O. Kamalabagan, Kurseong Division	Safely drive to forests	Tea bushes
02.01.2019	08 Nos. of Wild Elephant age approx 10 Years, 02 Male, 06 Female.	Motgoda, Kachuipal	Engagement of Wild Elephant Monitoring Team.	Crop Damage
03.01.2019 to 05.01.2019	32 Nos. Elephants, Average age – 25-35, Male- 4, (Age 25-35), 5 calf (Age 6months - 2yrs) 23 female (10 yrs-25 yrs)	Muchikata beat Jhilimili Range area	Elephant herd Movement monitoring by FPC member and staff	Paddy crops – 66 Decimal Cauliflower -33 Decimal Cabbage - 33 Decimal Patato – 66 Decimal
10.01.2019	Elephant-1 No. Male, Adult	Tarabari Sector, Gangaram T.E., Kurseong Division	Safely drive to forests	Tea bushes
13.01.2019	Elephant – 11 Nos.	Hadhadi Mouza under Hoomgarh Range, Rupnarayan Division	Elephant driven towards deep forest	Human injury
28.01.2019 to 30.01.2019	9 Nos of wild Elephants Average age , Calf-3 Average age , Female-2 Average age , Male-4	Mouza- Javi JL- 69 Beat- Ambikanagar Range - Ranibandh	Regular elephant herd monitoring	
28.01.2019 to 31.01.2019	Wild Elephant – 9 3- calf 2- Male 3- female	Muchikata beat Jhilimili Range area	Elephant herd Movement monitoring by FPC member and staff	Paddy crops – 33 Decimal Patato – 66 Decimal Cabbage - 66 Decimal
02.02.2019	7 Nos Wild Elephant (Average Age 9 Years to 11 Years, 2 Nos Male, 4 Nos Female & 1 No Calf)	Vill- Chendapathar, Beat- Bagdubi, Range- Fulkushma	Engagement of Wild Elephant Monitoring Team	Crop Damage

Date	Animal description	Location	Management action	Extent of damage (if any)
Elephant				
05.02.2019	Male Elephant	Waria Mana, Durgapur Division	Driven with the help of Hullah party	Crop damage
11.02.2019 to 13.02.2019	Elephant (Tusker) – 2 Nos. Sub-adult, Male	Uttar Bhatara, Jhikira, Siagarh, Rampur villages under Howrah Division	Tranquilised and translocated to Bandwan Range, Purulia and then released in Mayurjharna ER	
13.02.2019	Male Elephant	Waria Mana, Durgapur Division	Driven with the help of Hullah party	Crop damage
16.02.2019	Wild Elephant	Changmari Village, Buxa Tiger Reserve (East)	Driven away by staff	Crop damage
25.02.2019	2 Nos Wild Elephant (Average Age 18 Years to 20 Years, 2 Nos Male)	Vill- Kapatkata, Beat- Susunia, Range- Fulkushma	Engagement of Wild Elephant Monitoring Team	Crop damage
26.02.2019	2 Nos Wild Elephant (Average Age 18 Years to 20 Years, 2 Nos Male)	Vill- Gosda, Beat- Fulkushma, Range- Fulkushma	Engagement of Wild Elephant Monitoring Team	Crop damage
27.02.2019	03 Nos. Wild Elephant, Average age- 06 Months (01 No.) & 18 Months (02 Nos.), Male – 01 No. and Female- 02 Nos.	Bhutsahar, Simlapal	Engagement of Wild Elephant Monitoring Team	Crop damage
13.03.2019	Male Elephant	Bihari Mana, Durgapur Division	Driven with the help of Hullah party	Crop damage
13.03.2019	Wild Elephant	Balapara Village, Buxa Tiger Reserve (East)	Driven away by staff	Crop damage
15.03.2019	Male Elephant	Waria Mana, Durgapur Division	Driven with the help of Hullah party	Crop damage
23.03.2019	Makhna, Adult	NRVK-5, Buxa Tiger Reserve (East)	Driven away by staff	Killed one woman
26.03.2019	Male Elephant	Bihari Mana, Durgapur Division	Driven with the help of Hullah party	Hut damage
29.03.2019	Male Elephant	Andal, Durgapur Division	Driven with the help of Hullah party	Crop damage

Date	Animal description	Location	Management action	Extent of damage (if any)
Gaur				
24.04.2018	Gaur-2 Nos.	Putumari, Baxirbas, Palashbari, Pundibari Range	Observation of movement & protection, returned back to Patlakhawa forest	
21.01.2019	Gaur-2 Nos.	Ghagra/Alipurduar	Tranquilization & Recovery	
21.01.2019	Gaur	Alipurduar-Birpara	Tranquilized & released at Atiabari	
22.01.2019	Gaur	Bholardabri, B.T.R. (West) Division.	Tranquilized & released at Atiabari under B.T.R. (West) Divn.	
22.01.2019	Gaur	Alipurduar-Birpara	Tranquilized & released at DPO-1 comptt. under B.T.R. (West) Divn.	
02.02.2019	Gaur	Changmari Village, Buxa Tiger Reserve (East)	Driven away	Crop damage
15.03.2019	Gaur-2 Nos.	Tapshikhata, Alipurduar	Tranquilization & Recovery	
15.03.2019	Gaur	Chakoakhetai, Jaldapara Wildlife Division	Tranquilized and released in Chilapata Forest	
17.03.2019	Gaur, Male, Adult	Turturi, Buxa Tiger Reserve (East)	Tranquilized	2 persons injured
30.03.2019	Gaur-2 Nos.	Putumari, Baxirbas, Palashbari, Pundibari Range	Observation of movement & protection, returned back to Patlakhawa forest	
Date	Animal description	Location	Management action	Extent of damage (if any)
Leopard				
18.09.2018	Leopard	Chatakpur Village, Sonada Darjeeling Wildlife Division	Distribution of crackers	Lifting of poultry
02.12.2018	Leopard	Satali Nakadala	Driving	Two persons were injured and compensated
10.12.2018	Leopard, Male, Adult	Rydak T.E.	Driven away	1 Person injured
10.01.2019	Leopard	Patlakhawa forest	Captured in trap cage, Released in Patlakhawa forest	
05.01.2019	Leopard, Female, Adult	Hansqua Division of Balasan T.E., Kurseong Division	Caged	Killed cattle
31.01.2019	Leopard	Raichenga	Tranquilize was done and than the leopard sent to South Khairbari Rescue Centre at Madarihat	
05.02.2019	Leopard, Male, Adult	Rydak T.E.	Driven away	1 Person injured

4.14 MITIGATION OF CONFLICT

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 15 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 9th 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.



4.15 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.

4.16 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 108 kms of Elephant Proof Trench have been dug and 103 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.



4.17 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.

4.18 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.





SEIZURE OF WILDLIFE AND WILDLIFE ARTICLES IN WEST BENGAL

64-69



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 Dooars 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 2018-19		
Sl. No.	Seized items	Qty.
1.	Elephant tusk	11 Nos.
2.	Rhino horn	1 No.
3.	Rhino Carcass	1 No.
4.	Leopard skin	7 Nos.
5.	Tiger canine	2 Nos.
6.	Himalayan Black Bear bile	3 Nos. (0.275 Kg.)
7.	Mongoose hair brush	1703 Nos.
8.	Indian Birds	2526 Nos.
9.	Snake	120 Nos.
10.	Snake venom	6 Jars & 1592 gm.
11.	Gecko	26 Nos.
12.	Monitor Lizard	1 No.
13.	Squirrel	4 Nos.
14.	Tortoise	34 Nos.
15.	Tortoise shell	63 Kg.
16.	Tortoise meat	20 Kg.
17.	Turtle	6548 Nos.

Seizure of Wildlife & wildlife articles reported during the year 2018-19

Sl. No.	Seized items	Qty.
18.	Deer horn	4 Nos.
19.	Deer skin	4 Nos.
20.	Mongoose	2 Nos.
21.	Pangolin	2 Nos.
22.	Leopard	1 No.
23.	Civet	7 Nos.
24.	Jungle Cat	1 No.
25.	Dolphin	1 No.
26.	Rhesus Monkey	12 Nos.
27.	Corals	70 Nos.
28.	Hyena	1 No.
29.	Wolf	1 No.
30.	Musk Deer	2 Nos.



Wildlife offence under Wildlife (Protection) Act, 1972 during 2018-19

Division	POR	COR	UDOR	Person arrested
Darjeeling Wildlife Division	6	47	122	0
Gorumara Wildlife Division	10	54	17	14
Jaldapara Wildlife Division	6	0	0	7
Buxa Tiger Reserve (East)	3	0	0	6
Buxa Tiger Reserve (West)	2	0	0	2
Baikunthapur Division	8	0	0	20
Jalpaiguri Division	1	0	0	1
Kurseong Division	9	0	0	12
Coochbehar Division	1	0	0	0
Malda Division	9	0	3	12
Raiganj Division	2	1	0	4
Nadia-Murshidabad Division	2	0	7	8
Durgapur Division	1	0	0	4
Burdwan Division	3	0	10	4
Kharagpur Division	1	0	0	1
Purba Medinipur Division	0	0	1	0
Medinipur Division	0	0	1	0
Kangsabati (North) Division	0	1	0	0
Bankura (North) Division	0	0	2	0
Howrah Division	5	0	0	11
24-Parganas (North) Division	7	0	2	20
24-Parganas (South) Division	2	10	1	3
Sundarban Tiger Reserve	0	2254	5	0
Wildlife (Headquarters)	20	0	57	40
Total	98	2367	228	169







BUDGET OF WILDLIFE WING 2018 – 2019

70-79



6.01 BUDGET OF WILDLIFE WING 2018 – 2019

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
State Plan	Wildlife (HQ)	Construction of	24640552.00	Construction	24627729.00
	Darjeeling WL Division	RCC Jetty, anti-	15738390.00	of RCC Jetty,	15278387.00
	Gorumara WL Division	poaching Barrack	32801998.00	anti-poaching	32365677.00
	Jaldapara WL Division	etc., POL & Hiring	61829189.00	Barrack etc.,	61514771.00
	Buxa Tiger Reserve (East)	charges of Vehicle,	19398265.00	POL & Hiring	19336224.00
	Buxa Tiger Reserve (West)	M.Boat, etc., Sinking	36856890.00	charges of	36309689.00
	24-Parganas (South)	of Deep Tubewell,	80112971.00	Vehicle, M.Boat,	67586829.00
	24-Parganas (North)	Excavation of Sweet	16093118.00	etc., Sinking	11615197.00
	Sundarban Tiger Reserve	Water Pond, Purchase	40791000.00	of Deep Tubewell,	40536715.00
Total-SP		of Solar Street Light,	328262373.00	Excavation of Sweet	309171218.00
		Publicity & awareness		Water Pond,	
		programme, Supply of		Purchase of Solar	
		feed & Vet. care for		Street Light, Publicity	
		captive animal, Maint.		& awareness	
		of Fencing, etc.		programme, Supply of	
				feed & Vet. care for	
				captive animal, Maint.	
				of Fencing, etc.	

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
* Centrally Sponsored Schemes	Jaldapara WL Division		16042081.00	Plantation,	16006966.00
	Darjeeling WL Division	Plantation,	46045681.00	Payment of	44464548.00
	Gorumara WL Division	Payment of	49070000.00	compensation,	40060764.00
	Buxa Tiger Reserve (East)	Creation of	23604812.00	Creation of	23589655.00
	Buxa Tiger Reserve (West)	Protection Camp,	26596200.00	Protection Camp,	19878343.00
	Coochbehar Division	Earthen Dam,	6756673.00	Earthen Dam,	6742904.00
	24-Parganas (North) Division	Search light,	149504.00	Search light,	113100.00
	24-Parganas (South) Division	Batteries, fire	75516000.00	Batteries, fire	61542021.00
	Sundarban Tiger Reserve	crackers, etc. &	53297000.00	& Engagement of	47462044.00
	Raiganj Division	Engagement of	1446682.00	skilled labourers	1446682.00
	Nadia-Murshidabad Division	for elephant	1597688.00	for elephant	1597688.00
	Kharagpur Division	depredation,	105000.00	depredation,	104823.00
	Bankura (South) Division	operating cost of	6391000.00	operating cost	6347075.00
	Kangsabati South Division	wildlife squads	354000.00	of wildlife squads	351750.00
	Birbhum Division		1134895.00		1134895.00
	Durgapur Division		212500.00		212500.00
	Total-CSS		308319716.00		271055758.00

* 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	4091117.00	Ex-gratia and elephant driving cost	2381891.00
	Burdwan Division		1765038.00		906061.00
	Darjeeling WL Division		4541000.00		1372000.00
	Medinipur Division		20243144.00		18449775.00
	Purulia Division		5075000.00		5075000.00
	Gorumara WL Division		8106004.00		6566014.00
	Total-SFDA		43821303.00		34750741.00

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
RKVY	Baikunthapur Division	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	4500000.00	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	4500000.00
	Kangsabati South Division		998000.00		998000.00
	Total-RKVY		5498000.00		5498000.00

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
BTCFT	Buxa Tiger Reserve (West)	Combating elephant depredation and compensation, forest protection, Community developmental works, etc.	3704000.00	Combating elephant depredation & compensation, forest protection, Community developmental works, etc.	2816996.00
CAMPA	Jaldapara WL Division	Habitat improvement, etc.	22909330.00	Habitat improvement, etc.	20557002.00
	Darjeeling WL Division		7875932.00		7875932.00
	Buxa Tiger Reserve (East)		6125118.00		6125118.00
	Buxa Tiger Reserve (West)		6036793.00		5985423.00
	Gorumara WL Division		20295257.00		8881104.00
	Baikunthapur Division		7051937.00		6961937.00
	Coochbehar Division		1784650.00		1784650.00
	Kangsabati South Division		2760000.00		2760000.00
	Purulia Division		600000.00		600000.00
	Rupnarayan Division		1300000.00		1300000.00
	Bankura (North) Division		1000000.00		1000000.00
	Birbhum Division		940000.00		940000.00
	Medinipur Division		1300000.00		1300000.00
	Kharagpur Division		2100000.00		2100000.00
	Sundarban Tiger Reserve		6000000.00		5992354.00
	24-Parganas (North)		550000.00		546250.00
	24-Parganas (South)		4800000.00		4767152.00
	Total-CAMPA		93429017.00		79476922.00

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
IFM	Gorumara WL Division	Plantation, Nursery, etc.	435000.00	Plantation, Nursery, etc.	434972.00
	Baikunthapur Division		535735.00		535735.00
	Total-IFM		970735.00		970707.00
MGNREGS	24-Parganas (South) Division	Construction of pond, Irrigation channel, etc.	123018355.00	Construction of pond, Irrigation channel, etc.	22454425.00
WBFBCP/ JICA	Rupnarayan Division	Elephant Drive, Fencing, Operational cost of Mobile Squad	525000.00	Elephant Drive, Fencing, Operational cost of Mobile Squad	525000.00
	Purulia Division		785000.00		785000.00
	Jaldapara WL Division		26757363.00		23017800.00
	Total-JICA		28067363.00		24327800.00

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 10th 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.







WILDLIFE CONSERVATION AWARDS, 2018

80-85



7.01 WILDLIFE CONSERVATION AWARDS, 2018

The Wildlife Wing, West Bengal has been recognizing the Staff, Officers, Individuals /NGOs for quite some past years by giving the Wildlife Conservation Awards for outstanding performance in the field of protection and conservation of Wildlife throughout the year and State. During the year, 2016-17, Department of Forests, Govt. of West Bengal issued a Notification for awarding of Wildlife Conservation Award to the Forest Officers (upto the rank of DFO), individuals, groups, NGOs etc., who have shown exemplary courage and valour or have done exemplary work for the protection of wildlife.



There are three categories of Award given :

1. Award for Protection and Rescue of Wildlife
2. Award for Wildlife Conflict Management
3. Award for Conservation Awareness

A Committee for scrutiny of nominations was formed under this Order.

Awards and Presentation

Cash rewards were declared in Wildlife Conservation

Award by the Department of Forests, Govt. of West Bengal. The award recipients receive a commemorative plaque, a certificate of appreciation and award of Rs. 25,000/- (Rupees Twenty Five Thousand) only, in cash. The award recipients are also provided with admissible travel expenses to attend the award presentation ceremony.

The recipients of Wildlife Conservation Award, 2018 were:

A. CATEGORY OF AWARD - Award for Protection and Rescue of Wildlife :

Sl.	Name of Division	Name of the person / association (Nominee)	Remarks
1	DFO, Jaldapara	"Team Jaldapara" 1. Shri Bimal Debnath, WBFS, AWLW, Jaldapara NP 2. Shri Dhiraj Kami, FR, Range Officer, Kodalbasti Range, 3. Shri Swapan Kumar Majhi, FR, Range Officer, Jaldapara East Range, 4. Shri Chiranjit Paul, DR/Fr. Beat Officer, NWC Beat, And all staff of Jaldapara National Park	Selected
2	DFD, BTR(W)	1. The Asstt, Divisional Forest Officer, BTR(W) 2. The Range Officer, Hamiltonganj Range and his Team 3. The Wildlife Mobile Squad-II Range Team. 4. The Veterinary Unit of BTR (W) 5. Gopal Bahadur Busty Villagers (JFMC)	Spl. Award



A. CATEGORY OF AWARD - Award for Protection and Rescue of Wildlife :

Sl.	Name of Division	Name of the person / association (Nominee)	Remarks
3	DFO, Howrah	1. Shri Utpal Sarkar, FR, RO, Howrah Rural S.F. Range. 2. Shri Moloy Singha Roy, BS 3. Shri Ratan Maity, BS 4. Shri Bibekananda Manna, Orderly	Selected (together)
4	DFO, Howrah	1. Shri Utpal Sarkar, FR, RO, Howrah Rural S.F. Range. 2. Shri Ratan Maity, BS 3. Shri Bibekananda Manna, Orderly	
5	DFO, Howrah	1. Shri Utpal Sarkar, FR, RO, Howrah Rural S.F. Range. 2. Shri Ratan Maity, BS 3. Shri Bibekananda Manna, Orderly	
6	STR	Officers & Staff of Sundarban Tiger Reserve	Selected

*** There were Special Awards for all the Sniffer Dog Squads**

B. CATEGORY OF AWARD – Award for Wildlife Conflict Management :

Sl.	Name of Division	Name of the person / association (Nominee)	Rank
1	DFD, STR	Shri Ashok Mondal, PDL	Selected (jointly)
2	DFD, BTR(E)	Shri Sudipta Ghosh, DR/Fr.	

C. CATEGORY OF AWARD – Award for Conservation Awareness Award :

Sl.	Name of Division	Name of the person / association (Nominee)	Rank (Selected / not selected)
1	DFO, Bankura (South) Divn	Shri Santosh Kisku	Selected (jointly)
2	DFO, Bankura (South) Divn	Shri Bappaditya Besra	

The recipients received the Awards on 30th December, 2018 at the inauguration of the Wildlife Day, 2018 at Damanpur in Buxa Tiger Reserve in presence of Hon'ble Minister in-Charge, Forests and other dignitaries.

8

86-97

ECO-TOURISM



8.01 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	Buxa Tiger Reserve East Division	03564-256005
2a.	Jainty Annex II	Buxa Tiger Reserve East Division	03564-256005
3.	Hatipota	Buxa Tiger Reserve East Division	03564-256005
4.	South Rydak	Buxa Tiger Reserve East Division	03564-256005
5.	Silbungalow	Buxa Tiger Reserve East Division	03564-256005
6.	Kumar gram	Buxa Tiger Reserve East Division	03564-256005
7.	Rajabhatkhawa Main	Buxa Tiger Reserve West Division	03564-255129
8.	Leo House, Rvk.	Buxa Tiger Reserve West Division	03564-255129
9.	Raimatang	Buxa Tiger Reserve West Division	03564-255129
10.	Rangamati	Buxa Tiger Reserve West Division	03564-255129
11.	Nimati	Buxa Tiger Reserve West Division	03564-255129
12.	Ban Mayuri	Range Officer, West Damanpur Range	9734115144 / 9800264388 / 9933675008
13.	Sukna FRH	Darjeeling WL Division	0354-2257314
14.	Sukna ANNEX	Darjeeling WL Division	0354-2257314
15.	Latpancher FRH	Darjeeling WL Division	0354-2257314
16.	Rambi FRH	Darjeeling WL Division	0354-2257314
17.	Sandakphu FRH	Darjeeling WL Division	0354-2257314

Sl. No.	Name of FRH	Booking done by	Contact details
18.	Gorumara FRH	Gorumara WL Division	03561-220017 / 03561-222233 (Fax)
19.	Chapramari FRH	Gorumara WL Division	03561-220017 / 03561-222233 (Fax)
20.	Chilapata FRH	Jaldapara WL Division	03582-227185
21.	Kodalbasti FRH	Jaldapara WL Division	03582-227185
22.	Nilpara FRH	Jaldapara WL Division	03582-227185
23.	Kunjanagar Eco Cottage	Jaldapara WL Division	03582-227185
24.	Mendabari Jungle Camp	Jaldapara WL Division	03582-227185
25.	South Khairbari Eco-Cottage	Jaldapara WL Division	03582-227185
26.	Lankapara FRH	Jaldapara WL Division	03582-227185
27.	Hollong Tourist Lodge	WBTDC (online) & Jaldapara WL Division	03582-227185
28.	Parmadan FRH	24-Parganas (North)	033-25520968
29.	Bakkhali FRH	24-Parganas (South)	033-24799032
30.	Namkhana FRH	24-Parganas (South)	033-24799032
31.	Golghar Bonnie Camp	24-Parganas (South)	033-24799032



Tourist visits during 2018-19:

Name of Eco-tourism site (PA / Zoo / Eco-Park / NIC, etc.)	Indian	Foreigner	Revenue earned (in Rs.)
Singhalila National Park	18485	2512	3270700.00
Mahananda Wildlife Sanctuary	1135	5	57250.00
Senchal Wildlife Sanctuary	3926	79	404500.00
Nature Interpretation Centre, Sukna	1763	0	14610.00
Eco-tourism, Senchal Wildlife Sanctuary	72	0	190300.00
Buxa Tiger Reserve (West) Division	92302	82	11045240.00
Jainty Range, Buxa Tiger Reserve (East) Division	70254	0	205560.00
Jaldapara National Park	80468	170	6999102.00
South Khairbari Eco-Park	62326	0	1212650.00
Kunjanagar Eco-Park	24350	0	486990.00
Adina Deer Park	0	0	1262045.00
Kulik Bird Sanctuary	25088	0	1003520.00
Bardhaman Zoological Park, Burdwan	124953	0	1508683.00
Neora Valley National Park	132	0	18820.00
Gorumara National Park/Chapramari Wildlife Sanctuary Day Visit	62449	10	8973190.00
Gorumara National Park/Chapramari Wildlife Sanctuary Day Cottages	6328	68	8673908.00
Hornbill	0	0	24192.00
Murti Cottage	0	0	20650.00
Murti Tent	0	0	41580.00

Name of Eco-tourism site (PA / Zoo / Eco-Park / NIC, etc.)	Indian	Foreigner	Revenue earned (in Rs.)
Neora Valley National Park Day Visit	3089	45	543310.00
NIC, Birbhum & Deer Park	95545	3058	735505.00
Bethuadahari WLS	60282	0	1712401.00
Jhalda, Matha & Ajodhya	1100	0	193500.00
Surulia Mini Zoo	44104	0	506465.00
Sundarban Tiger Reserve	202677	2904	31580610.00
Eco Park, Jharkhali	144594	0	4337820.00
Kalash Camp, Ramganga Range	3649	0	375650.00
Bonnie Camp, Raidighi	27259	0	3648610.00
Chintamoni Kar Bird Sanctuary, Baruipur	10807	0	524910.00
Bhagabatpur Crocodile Project, Bhagabatpur	57936	0	577484.00
Eco-tourism Centre, Bakkhali	90127	0	884190.00
Bibhutibhushan Wildlife Sanctuary	24967	0	1250880.00
Total	1340167	8933	92284825.00



Rates of entry fees, accommodation charges, facilities and other charges

RATES OF ENTRY FEES, ACCOMMODATION CHARGES ETC. IN ALL PROTECTED AREAS, NATURE PARK AND ECO-TOURISM SPOTS EFFECTIVE FROM 01/10/2013 IN WEST BENGAL

Sl. No.	Location	Item	Rate (Normal)	Rate (Online)
1. Entry Fee (Age > 5 yrs .) (Children of Age less than 5 yrs FREE) * Same rates are applicable for foreigners				
	For All Protected Areas	a) Adults	60.00	100.00
		(b) Student (In group of minimum 20 students with application form head of the institution)	10.00	-
		(c) Foreigner	200.00	300.00
2. Entry Fees for Vehicles (only petrol driven vehicles will be allowed)				
	For All Centres	Light Vehicle/Medium	250.00	-
3. Car Parking (for Picnic spots only)				
	For All Centres	(a) Two Wheeler	10.00	
		(b) Light Vehicle/Medium	50.00	
		(c) Heavy Vehicle	250.00	
4. Picnic Spot Charge				
	For All Centres	(a) Picnic Spot & Charge for Infrastructure (Per Spot) Incl. Cleaning Services + Drinking Water Supply	5.00 (per head)	
		(b) Temporary Shed & Charge for Infrastructure / Per Shed	200.00	
5. Boating Charge (if provided)				
	For All Centres	Boating (20 Minutes/Per head)	50.00	-

RATES OF ENTRY FEES, ACCOMMODATION CHARGES ETC. IN ALL PROTECTED AREAS, NATURE PARK AND ECO-TOURISM SPOTS EFFECTIVE FROM 01/10/2013 IN WEST BENGAL

Sl. No.	Location	Item	Rate (Normal)	Rate (Online)
6. Elephant Ride / Bullock Cart Ride				
	For All Protected Areas	Bullock cart ride - per cart per person	100.00	
		Elephant Ride Per Head	600.00	800.00
		For foreigner	1000.00	1500.00
7. Water Craft				
	For Sundarban Biosphere Reserve	Luxury Watercraft (Any craft with AC facilities)(per trip) (for more than 30 persons)	5000.00	
		Launch (per trip)	600.00	
		Bhatbhati / Motor boat	350.00	
8. BLC				
	For Sundarban Biosphere Reserve	Launch (For BLC Registration)	1000.00	
		Motor Boat (For BLC Registration)	450.00	

RATES OF ENTRY FEES, ACCOMMODATION CHARGES ETC. IN ALL PROTECTED AREAS, NATURE PARK AND ECO-TOURISM SPOTS EFFECTIVE FROM 01/10/2013 IN WEST BENGAL

Sl. No.	Location	Item	Rate (Normal)	Rate (Online)
9. Guide Charges				
	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 or dedicated guides retention annual charges		15000.00	
	Elephant Camp visit per person	For Indian	50.00	
		For foreigner	200.00	
	Safari ride	Per person	100.00	
10. Fees for Shooting				
	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) Camera Charges		
		(i) Documentary Film per Camera / Day		
		1. Govt. Sponsored	2000.00	
		2. Private	10000.00	
		(ii) Television Serial per Camera / Day / Feature Film		
		1. Govt. Sponsored	3000.00	
		2. Private	25000.00	





TRAINING AND AWARENESS

PROGRAMMES ON WILDLIFE

98-109



9.01 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 2018-19, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
1.	28.12.2018	Range-Tehatta, Betai G.P. Office, District-Nadia.	Wildlife Conservation with special reference to Observation of Wildlife Day	Tehatta Range, Nadia Murshidabad Division	Staffs and local people
2.	28.12.2018	Range-Ranaghat, Gugia Yubak Sangha, District-Nadia.	Wildlife Conservation with special reference to Observation of Wildlife Day	Ranaghat Range, Nadia Murshidabad Division	Staffs and local people
3.	28.12.2018	Range-Berhampore (S), Kaji Saha High Madrasa, District-Murshidabad.	Wildlife Conservation with special reference to Observation of Wildlife Day	Berhampore (S) Range, Nadia Murshidabad Division	School Students
4.	28.12.2018	Range-Raghunathganj, Bangabari H.S. School, Suti-I Block, District- Murshidabad.	Wildlife Conservation with special reference to Observation of Wildlife Day	Raghunathganj Range, Nadia Murshidabad Division	School Students
5.	28.12.2018	Range-Krishnagar, Bethuadahari WLS, District-Nadia.	Wildlife Conservation with special reference to Observation of Wildlife Day	Krishnagar Range, Nadia Murshidabad Division	Staffs and local people
6.	05.01.2019	Khejuri Beat Office	Snake identification and handling snakes	Purba Medinipur Division	70 Nos.
7.	11.06.2018	Rasikbeel Mini Zoo, Nagurhat Beat	Zoo management, Wetland management, Rhino habitat creation at Patlakhawa	Coochbehar Division	Selected staffs
8.	21.06.2018	Patlakhawa, Pundibari Range	Awareness generation of villagers JFMCs under Rhino reintroduction Project	Coochbehar Division	JFMC Members
9.	25.08.2018	Rasik beel Mini Zoo	Zoo management, Wetland management, Rhino habitat creation at Patlakhawa	Coochbehar Divisionion	Selected staffs
10.	30.11.2018	Rasik beel Mini Zoo	Zoo management, Wetland management, Rhino habitat creation at Patlakhawa	Coochbehar Divisionion	Selected staffs

The details of awareness generation as well as training programme on wildlife in West Bengal during 2018-19, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
11.	30.12.2018	Patlakhawa, Pundibari Range	Rhino reintroduction, habitat creation, grass fodder plantation, motivation of JFMC and protecting issues	Coochbehar Division	Selected staffs
12.	30.12.2018	Bamanpokhri Range, Tukriajhar Range, Panighatta Range, Bagdogra Range	Wildlife Day 2018	Kurseong Division	80 Nos.
13.	29.11.2018	Bishnupur Timber Depot	Training on chemical immobilization of wild animal	Panchet Division	20 Nos.
14.	16.02.2019	Sabrakone Timber Depot	Training on chemical immobilization of wild animal	Panchet Division	20 Nos.
15.	30.11.2018	Beliatore	Tranquilization and Arms training	Bankura (North) Division	Selected staff
16.	01.05.2018	Kashipur, Sialpahari and Keshia	Acquainted Local People about Wildlife and its importance.	Bankura (South) Division	40 Nos.
17.	12.05.2018	Dakai, Jharia, Madhabpur, etc area	Creation of awareness against Hunting Festivals in Wildlife.	Bankura (South) Division	48 Nos.
18.	13.05.2018	Pirrorgari-1 Beat Office area	Creation of awareness against Hunting Festivals in Wildlife.	Bankura (South) Division	30 Nos.
19.	14.05.2018	Pirrorgari-2 Beat Office area	Creation of awareness against Hunting Festivals in Wildlife.	Bankura (South) Division	40 Nos.
20.	05.08.2018	Pirrorgari-2 Beat Office area	Campaign on local Festivals to generate awareness.	Bankura (South) Division	90 Nos.
21.	28.12.2018	Kashipur, Sialpahari, Keshia and Khatra Bazar.	Enlightment to the public about Wildlife and its importance.	Bankura (South) Division	45 Nos.
22.	25.01.2019	Simlupal Range Office	Training on chemical immobilization	Bankura (South) Division	24 Nos.

The details of awareness generation as well as training programme on wildlife in West Bengal during 2018-19, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
23.	20.02.2019	Ramkrishnapur Tribal Village area	Prohibition of Hunting and Poaching in Wildlife.	Bankura (South) Division	350 Nos.
24.	12.03.2019	Khatra Simlapal Main Road, Bankura.	Creation of awareness among the Hunting Parties.	Bankura (South) Division	160 Nos.
25.	17.03.2019	Mukutmonipur Beat.	Enlightment to the public about Wildlife and its importance.	Bankura (South) Division	80 Nos.
26.	19.03.2019	Neturpur Gram Panchayet area, Pirrorgari, Bankura	Creation of awareness against Hunting Festivals in Wildlife.	Bankura (South) Division	60 Nos.
27.	29.03.2019 to 31.03.2019	Kashipur, Nekraungri, Nargasole, Keshia etc area.	Importance of Ecosystem and Wildlife	Bankura (South) Division	25 Nos.
28.	22.09.2018	Chhora	Tranquilization training	Birbhum Division	50 Nos.
29.	27.11.2018	Pirakata Range Office	Training programme on Tranquilization of Wildlife	Medinipur Division	65 Nos.
30.	18.03.2019	Lataguri NIC	Awareness to prevent festival hunting	Gorumara Wildlife Division	100 Nos.
31.	28.12.2018	Bardhaman Zoological Park	Sit & Draw Competition among School children from class V to VIII and for Deaf & Dumb School Students	Burdwan Division	16 Nos.
32.	18.01.2019	Panagarh Range	Seminar and cycle rally with students, JFMC members and local wild animal lovers (Cycle Rally from Bhatkunda to Moukata under Panagarh Range)	Burdwan Division	Many students and local people
33.	04.02.2019	Sukna NIC	GPS & Camera trapping	Darjeeling Wildlife Division & WWF- India	45 Nos.
34.	28.03.2019	The programme held at different places in Sundarban specially at Jharkhali, Koikhali, Bhagabatpur, Raidighi	No Plastic awareness programme	24-Parganas (South) Division	4000 Nos.



The details of awareness generation as well as training programme on wildlife in West Bengal during 2018-19, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
35.	03.07.2018	Bhagabatpur Range Office Complex	Workshop on management of estuarine crocodile	24-Parganas (South) Division	60 nos. forest staff different Ranges including Bhagabatpur Range
36.	29.01.2019	Bonnie Camp	Tranquilize training	24-Parganas (South) Division	43 nos.
37.	28.03.2019	Namkhana jetty ghat	Plastic awareness programme	Namkhana Range Office	450 nos.
38.	23.04.2018	Nimpith Ashram	Poultrifarm	Matla Range Office	10 nos.
39.	28.05.2018	Nimpith Ashram	Tolerating	Matla Range Office	10 nos.
40.	10.06.2018	Jharkhali	Pisciculture	Matla Range Office	10 nos.
41.	30.10.2018	Jharkhali	Camera Trapping Work shop	Matla Range Office	45 nos.
42.	10.11.2018	Jharkhali	Self employment work shop	Matla Range Office	59 nos.
43.	31.12.2018	Jharkhali	E-patrolling workshop	Matla Range Office	48 nos.
44.	2018-19	N.I.C., Rajabhatkhawa	1) Training programme on Personality Development. 2) Rifle training to the front line staffs of B.T.R. (West) Division. 3) Workshop on Intelligence gathering on Trade Crafts of Wildlife. 4) Staff training (refresher course) on chemical restraint of wild animals and Planning of Sambar capture operation. 5) Training to JFMC members over 62 (Sixty-two) nos. on skill development (Motor Driving, Computer and beautician course).	Buxa Tiger Reserve (West) Division	Buxa Tiger Reserve (West) Division
45.	29.07.2018	Sajnekhali	Global Tiger Day	Sundarban Tiger Reserve	30 nos.
46.	14.12.2018	Sajnekhali	Wildlife Week	Sundarban Tiger Reserve	2 nos.



The details of awareness generation as well as training programme on wildlife in West Bengal during 2018-19, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
47.	02.02.2019	All over STR	Wild Wetland Day	Sundarban Tiger Reserve	60 nos.
48.	23.8.2019 & 24.8.2019	WAR &TFC	Investigation & prosecution of wildlife crime cases	WBCCB	12 nos.
49.	11.05.2018	Murti NIC	Meeting on Protection Monitoring Protocol	Gorumara Wildlife Division	27 nos.
50.	05.06.2018	Lava	World Environment Day	Gorumara Wildlife Division	200 nos.
51.	05.06.2018 to 15.06.2018	Samsing Fari Community Hall	World Environment Day	LNR in collaboration with Samsing Jr Basic School, Gorimaya MSK, Sacred Heard Academy and Samsing Fari Home Stay Association.	400 (approx)
52.	16.06.2018	Murti NIC	Meeting on Protection Monitoring Protocol	Gorumara Wildlife Division	23 Nos.
53.	29.07.2018	Murti NIC	Meeting on Protection Monitoring Protocol	Gorumara Wildlife Division	29 Nos.
54.	04.08.2018	Murti NIC	Training on Elephant Identification & Tranquilizing Techniques	Gorumara Wildlife Division	13 Nos.
55.	04.08.2018	Murti NIC	Guide Training for Responsible Tourism	Gorumara Wildlife Division	22 Nos.
56.	14.09.2019	Murti NIC	Gypsy Association for Responsible Tourism	Gorumara Wildlife Division	48 Nos.
57.	23.11.2018	Lava	Wild Life Week 2018	Gorumara Wildlife Division	40 Nos.
58.	26.11.2018	Murti NIC	Meeting on Protection monitoring protocol	Gorumara Wildlife Division	20 Nos.
59.	29.12.2018	Samsing (Pokhari)	Wildlife Week	LNR in collaboration with Mountain Trekkers Foundation, Malbazar.	250 (approx)
60.	09.01.2019	Chamurchi Village	Wild animal protection and driving of wild animals	Wildlife Squad-III, Binnaguri Range	74 Nos.
61.	21.01.2019	Murti NIC	Refresher Course on tranquilization and Planning of sambar Capture Operation	Gorumara Wildlife Division	24 Nos.
62.	27.01.2019	Murti NIC	Tranquilization Training	Gorumara Wildlife Division	19 Nos.
63.	10.02.2019	Samsing	Protection and Conservation of wildlife.	Gorumara Wildlife Division	200 (approx)

The details of awareness generation as well as training programme on wildlife in West Bengal during 2018-19, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
64.	11.02.2019	Murti NIC	Rhino Population Estimation Training	Gorumara Wildlife Division	32 Nos.
65.	11.02.2019	Karbala Tea Garden	Wild animal protection and driving of wild animals	Wildlife Squad-III, Binnaguri Range	66 Nos.
66.	21.02.2019	Ambiok	Vocational course on Mobile Repairing for Ambiok JFMC	Gorumara Wildlife Division	20 Nos.
67.	Feb, 2019	Chiloune	Vocational course on Mobile Repairing for Chiloune, Bhujel Gaon JFMC	Gorumara Wildlife Division	20 Nos.
68.	Feb, 2019	Ramsai	Vocational Training on Beautician Course for Ramsai, Kalipur-Budhram -Chatua JFMC	Gorumara Wildlife Division	20 Nos.
69.	Feb, 2019	Murti NIC	Vocational Training on Beautician Course for Murti JFMC	Gorumara Wildlife Division	20 Nos.
70.	02.03.2019 to 06.03.2019	Dhupjhora	Training of Mahut/Patawala	Gorumara Wildlife Division	50 Nos.
71.	13.03.2019	Lava	Red Panda Census pre training	Gorumara Wildlife Division	60 Nos.
72.	19.03.2019	Murti NIC	Anti Poaching	Gorumara Wildlife Division	48 Nos.
73.	09.03.2019	Jaldapara Range Complex	Mahut & Patawala	Parboti Barua	34 Nos.

10

IMPORTANT EVENTS OF 2018 -2019

110-139



I. WILDLIFE DAY, 2018

The Wildlife Day, 2018 was observed on 30.12.2018 and the State level inauguration was organised at Damanpur, Alipurduar. The programme was inaugurated by Sri Binay Krishna Burman, Hon'ble Minister – In - Charge, Forests, West Bengal.

On this occasion different programmes like Cycle Rally, Sit and Draw Competition, Wildlife Film Show, etc. were organised throughout the State for creating awareness for conservation of wildlife. Meetings were organised with Joint Forest Management Committees to discuss "Human Wildlife Conflict and Ways of Mitigation" in the territorial and Wildlife Ranges for spreading awareness on importance of wildlife conservation. This was the first time in the Wildlife Wing, West Bengal that, customised audio messages were aired on FM Radio for spreading message related to wildlife conservation and this was continued for almost two months before and after 30.12.2018.

During the State level inauguration programme of the Wildlife Day, 2018, the Wildlife Conservation Award, 2018 was also awarded.



Wildlife Conservation Award, 2018

The Wildlife Wing, West Bengal has been recognizing the Staff, Officers, Individuals /NGOs from 2016-17 onwards by giving the Wildlife Conservation Awards for outstanding performance in the field of protection and conservation of Wildlife throughout the year and State. During the year, 2016-17, Department of Forests, Govt. of West Bengal issued a Notification for awarding Wildlife Conservation Awards to the Forest Officers (upto the rank of DFO), individuals, groups, NGOs etc., who have shown exemplary courage and valour or have done exemplary work for the protection of wildlife.

There are three categories of Award given :

1. Award for Protection and Rescue of Wildlife
2. Award for Wildlife Conflict Management
3. Award for Conservation Awareness

A Committee for scrutiny of nominations and selection of awardees was formed under this Order.



Awards and Presentation

Cash rewards were declared in Wildlife Conservation Award by the Department of Forests, Govt. of West Bengal. The award recipients receive a commemorative plaque, a certificate of appreciation and award of Rs. 25,000/- (Rupees Twenty Five Thousand) only, in cash. The award recipients are also provided with admissible travel expenses to attend the award presentation ceremony.

The recipients of Wildlife Conservation Award, 2018 were :

A. CATEGORY OF AWARD - Award for Protection and Rescue of Wildlife :

Sl no.	Name of Division	Name of the person / association (Nominee)	Remarks
1.	DFO, Jaldapara	"Team Jaldapara" 1. Shri Bimal Debnath, WBFS, AWLW, Jaldapara NP 2. Shri Dhiraj Kami, FR, Range Officer, Kodalbasti Range, 3. Shri Swapan Kumar Majhi, FR, Range Officer, Jaldapara East Range, 4. Shri Chiranjit Paul, DR/Fr. Beat Officer, NWC Beat, And all staff of Jaldapara National Park	Selected
2.	DFD, BTR(W)	1. The Asstt, Divisional Forest Officer, BTR(W) 2. The Range Officer, Hamiltonganj Range and his Team 3. The Wildlife Mobile Squad-II Range Team. 4. The Veterinary Unit of BTR (W) 5. Gopal Bahadur Busty Villagers (JFMC)	Spl. Award
3.	DFO, Howrah	1. Shri Utpal Sarkar, FR, RO, Howrah Rural S.F. Range. 2. Shri Moloy Singha Roy, BS 3. Shri Ratan Maity, BS 4. Shri Bibekananda Manna, Orderly	Selected (together)
4.	DFO, Howrah	1. Shri Utpal Sarkar, FR, RO, Howrah Rural S.F. Range. 2. Shri Ratan Maity, BS 3. Shri Bibekananda Manna, Orderly	
5.	DFO, Howrah	1. Shri Utpal Sarkar, FR, RO, Howrah Rural S.F. Range. 2. Shri Ratan Maity, BS 3. Shri Bibekananda Manna, Orderly	
6.	STR	Officers & Staff of Sundarban Tiger Reserve	Selected

*** There were Special Awards for all the Sniffer Dog Squads**

B. CATEGORY OF AWARD – Award for Wildlife Conflict Management:

Sl no.	Name of Division	Name of the person / association (Nominee)	Rank
1.	DFD, STR	Shri Ashok Mondal, PDL	Selected (jointly)
2.	DFD, BTR(E)	Shri Sudipta Ghosh, DR/Fr.	

C. CATEGORY OF AWARD – Award for Conservation Awareness:

Sl no.	Name of Division	Name of the person / association (Nominee)	Rank (Selected / not selected)
1.	DFO, Bankura (South) Divn.	Shri Santosh Kisku	Selected (jointly)
2.	DFO, Bankura (South) Divn.	Shri Bappaditya Besra	

The recipients received the Awards on 30th December, 2018 at the inauguration of the Wildlife Day, 2018 at Damanpur in Buxa Tiger Reserve in presence of Hon'ble Minister in-Charge, Forests, West Bengal and other dignitaries.

II. ANIMALS RESCUED IN WEST BENGAL DURING THE YEAR 2018-19

Sl. No.	Species	Number
1.	Bird	2050 Nos.
2.	Snake	2792 Nos.
3.	Turtle	5531 Nos.
4.	Tortoise	494 Nos.
5.	Monitor Lizard	62 Nos.
6.	Jackal	46 Nos.
7.	Monkey	243 Nos.
8.	Langur	628 Nos.
9.	Jungle Cat	43 Nos.
10.	Fishing Cat	27 Nos.
11.	Leopard Cat	4 Nos.
12.	Civet	485 Nos.
13.	Porcupine	5 Nos.
14.	Pangolin	5 Nos.
15.	Gecko	36 Nos.



Sl. No.	Species	Number
16.	Hyena	3 Nos.
17.	Wolf	4 Nos.
18.	Chameleon	7 Nos.
19.	Ferret Badger	2 Nos.
20.	Elephant	4 Nos.
21.	Leopard	47 Nos.
22.	Wild Boar	15 Nos.
23.	Gaur	9 Nos.
24.	Nilgai	2 Nos.
25.	Goral	2 Nos.
26.	Barking Deer	47 Nos.
27.	Spotted Deer	13 Nos.
28.	Hog Deer	6 Nos.
29.	Crocodile	16 No.
30.	Squirrel	2 Nos.
31.	Mongoose	16 Nos.
31.	Sambar	3 Nos.
31.	Bengal Fox	9 Nos.
31.	Serow	1 No.
Total		12649 Nos.



Rescue and release of wild animals during 2018-19

Sl. No.	Species	Number	Captured from	Place of release	Capture method tranquilization, trap cage, others (species)	Remarks (if any)
1.	Elephant	1 No.	Arrah Forest, Durgapur Range	Jhilimili Forest under Jhilimili Range of Bankura (South) Division	Translocation on 12.04.2019	After tranquilising the elephant was translocated to Jhilimili Jungle under Jhilimili Range of Bankura (South) Division.
2.	Leopard	1 No.	Phansidewa, Panitanki, Darjeeling	Released at MWLS	Trap cage	
3.	Leopard	1 No.	Bengdubi T.E., Bagdogra, Darjeeling	Released at MWLS	Trap cage	
4.	Leopard	1 No.	Simulbari T.E., Darjeeling	Released at MWLS	Trap cage	
5.	Leopard	1 No.	Salugarah, Siliguri, Darjeeling	Khairbari Rescue Centre	Trap cage	
6.	Tiger	1 No.	Jhila-1, BHT Range, Sundarban Tiger Reserve	Sundarban Wild Animal Park, Jharkhali	Cage	The Tiger strayed out of the Nylon net and could not been sent back as it was very week and old. It was captured and sent to Sundarban Wild Animal Park, Jharkhali after taking all necessary precautions as per the existing guidelines.
7.	Leopard Cub (Male)	1 No.	Debpara T.G.	N.I.C. Lataguri	Trap Cage	
8.	Leopard (Male, Adult)	1 No.	Army Cant. Binnaguri	Gorumara Forest	Trap Cage	
9.	Leopard	1 No.	Jogesh ch. T.E., WLS-II, Mal	Rescue at NIC of Eco-Tourism Range.	By Tranquilization	
10.	Leopard	1 No.	NIC of Eco-Tourism Range.	Release in Natural Habitat. Bhabe Line of GNP.	By Tranquilization	
11.	Leopard	1 No.	Baradighi FV. adjacent Baradighi Beat, KSQ, Khunia	Rescue at NIC of Eco-Tourism Range.	By Tranquilization	
12.	Gaur	1 No.	Bataigoal village, WLS-II, Mal	Release in Natural Habitat. Bhabe Line of GNP.	By Tranquilization	
13.	Leopard	1 No.	Tarsher Tea Garden	South Khairbari Rescue Centre		
14.	Himalayan Serow	1 No.	Mendabari	Jayanti	By rope	
15.	Leopard	1 No.	Ramjhora T.G.	South Khairbari Rescue Centre	Trap Cage	
16.	Leopard	1 No.	Garganda T.G.	South Khairbari Rescue Centre	Trap Cage	
17.	Leopard	1 No.	Lankapara T.G.	South Khairbari Rescue Centre	Trap Cage	
18.	Leopard	1 No.	Hantapara T.G.	South Khairbari Rescue Centre	Trap Cage	
19.	Leopard	1 No.	Hantapara T.G.	South Khairbari Rescue Centre	Trap Cage	
20.	Leopard	1 No.	Garganda T.G.	South Khairbari Rescue Centre	Trap Cage	
21.	Leopard	1 No.	Ramjhora T.G.	South Khairbari Rescue Centre	Trap Cage	
22.	Leopard	1 No.	Ramjhora T.G.	South Khairbari Rescue Centre	Trap Cage	
23.	Leopard	1 No.	Ramjhora T.G.	South Khairbari Rescue Centre	Trap Cage	

III. 2ND ANNUAL BIODIVERSITY ASSESSMENT CAMP

In March, 2018, a rapid assessment of Biodiversity of Neora Valley National Park was concluded, which was named as Annual Biodiversity Assessment Camp and this was first such attempt since 1982. Being encouraged by discovery of rich biodiversity of Neora Valley, the Wildlife Wing, West Bengal organised the 2nd Annual Biodiversity Assessment Camp at the Neora Valley National Park under Gorumara Wildlife Division from 30.09.2018 to 11.10.2018.

During this year's Camp, 148 species of birds were identified and recorded, in comparison to 177 species recorded in the first camp. Encouraging results have been obtained by finding out so-called lesser wildlife groups e.g. invertebrates, where survey of Diptera insects yielded a species richness of 144 species of which 44 are of unknown status, i.e. with high probability of being species new to science, 14 are for the first time record from State and one first time from India. Similarly, one of the very encouraging

reports come from the ants of the 16 species collected during this camp, one is certainly a new species of a genus which is reported to have only another species of the genus from Meghalaya, India. An intense search for butterfly has indicated the highly positive probability of two most celebrated species of Himalayan butterflies, namely the Kaisar-i-Hind and Bhutan Glory, being in the higher localities of the surveyed areas in Neora Valley National Park.

Scientists, researchers, orchid specialists, senior officer of Forest Department having profound taxonomic knowledge of flora of Himalayan region undertook the floral assessment works and prepared detailed list in comparison with previous years assessment. New findings on Hibiscus and orchid have already been published by the concerned resource persons.





Himalayan Forest Thrush (*Zoothera salimalii*) first discovered from North East India during 2009 and subsequently found in NVNP during 2016. This photograph has been captured from NVNP few months before 2nd Bio-diversity Camp.

 Ujjal Ghosh, IFS

IV. WORKSHOP FOR SENSITIZATION OF REPRESENTATIVES OF ELECTRONIC AND PRINT MEDIA ON WILDLIFE RELATED ISSUES

A sensitization workshop was jointly organised by Wildlife Wing and Medinipur Forest Division, West Bengal on 5th October, 2018 at Gopegarh Eco-park of Medinipur Division with the objective to guide the media representatives on sensitive reporting of wildlife issues, especially in the regions of elephant depredations affected districts of Medinipur and Jhargram. The workshop was inaugurated by Sri N.K.Pandey, IFS, PCCF, HoFF, WB and was addressed by Sri R.K.Sinha, IFS, PCCF, WL & CWLW, WB.

In the first technical session of the programme, Sri Saket Badola, IFS, Head, TRAFFIC India discussed about the significance of wildlife trade in fairs and related issues associated with hunting festivals. Sri Agni Mitra, IFS, RDD, WCCB, ER and Sri R.N.Saha, IFS, DFO, Medinipur Division

addressed to the attended Media persons about reporting and publication of wildlife issues, the legal implications and the desired behaviour of the media persons in the field.

There were other dignified personalities of different NGOs and Zoological Survey of India present there. The other issues discussed in the workshop were – identification of individual elephant and their related behavioural issues; identification of prominent animals / commonly available wildlife in Paschim Medinipur and Jhargram Districts and there scientific knowhow, of namely, Tiger, Hyena, Wolf, Jackal, Wild Boar, Deer, Pangolin, Chameleon, Monitor Lizard; Snakes like Python, Viper, Cobra; Spider group – Tarantula.

The workshop was very interactive and effective, too.



V. “BANYA PRAN SATHI PROKOLPA”, 2018-19

Being encouraged by the ecstatic response from the participants of the inaugural year, the “Banya Pran Sathi Prokolpa” was continued during the year 2018-19 also. The Forest Department, Govt. of West Bengal had issued a Notification vide No. 396-For dated 06.02.2017 regarding this Prokolpa with an objective to involve individuals in Wildlife Management in West Bengal and to increase public support for wildlife conservation. Under this programme, adult, self-sponsoring selected individuals would be provided an opportunity to serve 10-15 days in Protected Areas within the State of West Bengal. A membership is valid for two years.

On the basis of the Notification, this year, the advertisement inviting fresh applications was published on 18.05.2018 and a total of 237 applications were submitted within the scheduled time. 42 applications were short-listed and out of which 10 applicants finally participated. The participation fees as the cost of the field visit of individual participant was Rs. 20,000, which the

participants deposited in Demand Draft. A orientation workshop for the new volunteers was organized at Conference Hall of WAR & TFC, Salt Lake on 03.11.2018. The first two field visits of this years new batch were held in Sundarbans from 12.11.2018 to 16.11.2018 and in Dooars from 19.11.2018 to 23.11.2018. The camps where the field visits held were Burirdabri, Khatuajhuri and Hasikhali of Sundarban Tiger Reserve and in Dooars, those were, Raimatang, Santrabari, Kumargram and Newlands, all of Buxa Tiger Reserve (East). The volunteers of last year i.e. 2017-18, had their visit to PAs of Hills due, and this year, it was organised. The volunteers of 2017-18 visited Latpancher of Mahananda Wildlife Sanctuary, and Choudaferi, Mouchaki, Sakam Camps of Neora Valley National Park from 12.11.2018 to 16.11.2018.

The second field visit of 2018-19 batch of volunteers in Sundarbans were held from 25.03.2019 to 29.03.2019 at Harikhali, Khatuajhuri, Bururdabri and Dobanki camps of Sundarban Tiger Reserve.



VI. 3RD BUXA BIRD FESTIVAL 2019

The 3rd Buxa Bird Festival was organised during 6th to 9th January 2019 at Rajabhatkhowa.

This festival offers an opportunity to explore the avifaunal diversity and natural resources along with the rich biodiversity and wilderness of Buxa Tiger Reserve. Prominent ornithologists, naturalists, scientists, researchers were present during the festival along with 42 enthusiastic birders. Workshops by professional photographers, presentations by naturalists, art and cultural shows by local artists and exquisite field trips along pre-identified birding trails covering all the ecological zones within the Buxa Tiger Reserve were carried out.

This year the tents were pitched in the fore ground of Nature Interpretation Centre, Rajabhatkhowa.

The festival was inaugurated on 06th January, 2019 afternoon by Sri Binay Krishna Barman, Hon'ble Minister In Charge, Forest Department. Several dignitaries attended the inaugural programme at NIC, Rajabhatkhowa including PCCF and MD, WBFDC, Additional PCCF, Wildlife and other senior officers of Forest and Administrative Departments, NGOs, eminent naturalists and nature lovers, representatives of print and electronic media.



A Field Guidebook on documented bird species of Buxa Tiger Reserve by the name 'A Bird's Eye View' was also published during this ceremony.

The participants were divided into separate teams led by a resource person and guided by a local guide to walk along the trails to the following paths for exploring and documenting Birds. During the three days, every participant being given opportunity to travel on each trail—

1. Rajabhatkhowa- Shikari Road- Raimatang- Return to campsite.
2. Santarabari- Buxa Fort- Lepchakha- Jainti Mahakal- Jainti.
3. Bajekhola- Bajekhola Hills- Bhutibasti Watch Tower- Jainti.
4. South Rydak FRH- Bagjhora Camp- Singhijhora Camp- Narathali Lake- SRD FRH.
5. Shilbanglow- Gholani Camp- Sahebbandh- Centralroad- Shilbanglow.



During the 3rd Buxa Bird Festival 214 different bird species were documented and identified out of the 514 listed bird species in BTR. Birds like - Blyth's Reed Warbler, Brown-breasted Flycatcher, Long-billed Wren Babbler, Short-toed snake eagle, Slaty-headed parakeet, although known to exist here but were documented first time from the reserve during the festival.

On 9th January, 2019, the festival ended with distribution of certificates and mementos to the participants and resource persons by Sri Ravi Kant Sinha, IFS, PCCF, Wildlife and Chief Wildlife warden, West Bengal. It was also announced by the management that the 4th Buxa Bird Festival would be organised from 06th to 9th. January, 2020.

VII. NATIONAL WORKSHOP ON VULTURE CONSERVATION FEBRUARY 23-24, 2019 AT CHALSA, JALPAIGURI

A national level workshop on Vulture Conservation and Reintroduction Programme was organized jointly by West Bengal Forest Department and Bombay Natural History Society from February 23 to 24, 2019 highlighting the release programme besides discussing various other issues pertaining to vulture conservation with the stakeholders at Chalsa, Jalpaiguri, West Bengal. Mr. Indeevar Pandey, IAS, Additional Chief Secretary, Forests, West Bengal, Mr. Ravi Kant Sinha, IFS, Chief Wildlife Warden, West Bengal, Dr R.P. Saini, IFS, PCCF and MD WBFDC, Mr. Soumitra Das Gupta, IFS, IG, MoEF & CC, Govt. of India and Dr. Deepak Apte, Director, BNHS flagged off the workshop. Total 45 participants from various states and research organizations attended the programme. Representatives of various departments and wildlife experts from West Bengal, Assam, Meghalaya, Madhya

Pradesh, Odisha and Tamil Nadu participated in this workshop. The workshop provided an opportunity to put forth specific recommendations to various bodies such as Indian Veterinary Research Institute, Animal Husbandry Departments, Drug Controller General of India and Forest Departments. A detailed discussion on various surveys and conservation programmes were carried out in the VSZs identified in different parts of the country including West Bengal. Results of surveys to find out the easy availability of the banned veterinary drug diclofenac and other harmful substances to vultures were discussed. Importance of capacity building programmes for foresters and forest guards, awareness workshops for the common public including Gausevaks, villagers, students of different levels and people working with Animal Resource Development Department were thoroughly discussed in the workshop.



VIII. WILDLIFE AWARENESS CAMPAIGNS IN AND AROUND KOLKATA

The city of Kolkata and its surroundings are home to a variety of wildlife species. This includes mammals like Small Indian Civets, Common Palm Civets, Indian Jackal, Common Langur, Monkey, Jungle Cat, Fishing Cat, Common Mongoose, Five-Striped Palm Squirrel etc.; reptiles like different types of snakes mainly Rat Snakes, Monocled Cobra, Spectacled Cobra, Russels Viper, Checkered Keelback Snake, Striped Keelback Snake, Monitor Lizard etc.; turtles like Indian Soft-Shell Turtle, Gangetic Soft-Shell Turtle, Spotted Black Terrapin etc.; birds are innumerable, among them most common are Common Kites, Barn Owl, Common Mayna, Barbets, Rose Ringed Parakeets, Indian Roller, Egrets, Herons etc.

Throughout the year, the Wildlife (Headquarters), West Bengal receives a number of correspondences from the citizens of Kolkata and surroundings, regarding

infestation of snakes, disturbance by civets, jackals etc. On information, Wildlife Wing, rescue team swiftly rescue and release them in wild after rehabilitation.

The staff-officers of the Wildlife (Headquarters), West Bengal attend each and every call from the citizens on their complaint on wild animal disturbances and awareness campaigns are organised at the places from where these complaints arise, enlightening the people about the necessity of existence of the wild animals for the very existence of the eco-system and the ecological balance of the natural habitat.

Different audio-visual media, posters, leaflets, pamphlets, banners etc. are used and distributed among the citizens, students, teachers, shop-owners to make them aware about the necessity and inter-dependence of every member of the nature to co-exist peacefully.



IX. WILDLIFE TABLEAU FOR AWARENESS CAMPAIGN IN KOLKATA, 2018

Sri Binoy Krishna Burman, Hon'ble Minister – In- Charge, Forests, West Bengal inaugurated and flagged off a Tableau on 09th October, 2018 at 10 am from “Ban Bhavan”, AE-391, Sector – I, Salt Lake, Kolkata – 700064. The Tableau comprised of different expressive posters and banners on awareness of Wildlife conservation, which moved in and around Kolkata during the month of October, 2018. In this occasion, senior officials of the Forest Department, West Bengal including Sri Indavar Pandey, IAS, Additional Chief Secretary, Deptt. of Forests, GoWB, Sri N K Pandey, IFS, PCCF, HoFF, West Bengal, Sri R K Sinha, IFS, PCCF, Wildlife and Chief Wildlife Warden, West Bengal were present.



Some Important Features of this Tableau

Objective

To create awareness to the citizens about importance of commonly available wild animals like Civets, Mongoose, Fishing Cats, Jackals, different types of birds, tortoises and turtles etc. in and around the human habitation.

To create awareness to the citizens that the habitats of these wild animals are all existing in and around us along with our own living atmosphere.

To make the citizens aware that each of these animals plays different individual roles in maintaining a balanced eco-system around us and removing them from their place will permanently damage the eco-systems leading to irreparable loss to our mother nature.

To make the citizens aware about the protection status of these wild animals in the Indian Wildlife (Protection) Act, 1972 and other International conventions – conveying them the message of penal provisions if found guilty in causing harm to these animals and their habitats.

Functioning

The Tableau moved to each and every corner of Kolkata and surrounding areas.

The Tableau would start from the Wild Animal Rescue and Transit Facility Centre, Salt Lake and moved to the Puja Pandals of Kolkata and surroundings spreading the message of importance of wildlife Conservation to the maximum possible people who gathered at the Puja Pandals.

Citizens were addressed through public address system from the Tableau on awareness on wildlife conservation.

Leaflets, pamphlets, brochures etc. were distributed from the tableau on awareness.



X. RESCUE OPERATION OF TWO MALE ELEPHANTS IN HOWRAH DISTRICT

On the fine morning of 11/02/2019, 2 sub-adult elephants were spotted taking shelter in a bamboo grove at Uttar Bhatara village under Amta Block-II and Joypur PS of Howrah District. On receiving this information, all concerned authorities were alerted. The DFO/Howrah, DFO/Medinipur, DFO/Rupnarayan and DFO/Kharagpur arrived at the spot along with their staffs. The CCF/Western Circle and CF/Parks and Gardens were also present. The Tranquilizing teams from Rupnarayan, Burdwan, Bankura along with team from Wildlife (HQ) and driving parties of different divisions also reached the spot.

It was assumed that the 2 elephants had entered Howrah District from the forests of Paschim Medinipur through Khirpai, Khanakul-II Blocks.

Uttar Bhatara being a thickly populated island village with road unfit for the movement of heavy vehicles, decision was taken to drive out the elephants following the trail they used to enter Howrah District. After several unsuccessful attempts, the driving parties were successfully able to drive out the elephants to Khanakul in Hooghly District crossing Mundeswari river - the elephants crossed Jhikira G.P., Amta-II Block under Howrah District, approached to Siaguri Bridge, Rampur Canal and suddenly disappeared. All the Officers and staff were present there in the field with all precautionary measures.

The elephants were eventually spotted very early on the next morning of 12/02/2019 at Koley Para (Manikpir Village) under Jagatballavpur PS of Howrah District which was hardly 20-25 km away from Kolkata. The elephants were found stranded in a banana garden with locals pouring in hundreds. A special tranquilizing team arrived from Wildlife (HQs), WB.

The terrain being rough and inaccessible, a decision was taken to tranquilize the elephants under the approval of appropriate authority, to avoid major destruction of crops, properties and human casualties.

The elephants were tranquilized at around 2:15pm in the afternoon of 12/02/2019 and were placed under the full care of Tranquilizing Teams led by the Wildlife (HQs), WB.

Translocation of the elephants was not possible in the night due to the narrow passage. Temporary road was prepared by JCB machine for early translocation in the next morning.

On the very morning of 13/02/2019 the two tuskers were translocated under the guidance of all concerned officers from the spot (Koley Para, Manikpir village) up to the main road where they were loaded onto the trucks separately with the help of Hydra taking all precautionary measures. Both the tuskers were sent to Bandwan of Purulia via Jhargram. The Tranquilizing Team, VS, Officers and other staff accompanied the trucks. The translocation of both the tuskers were effectively done.

This incident of elephant menace in the thickly populated area, unfit road for movement of heavy vehicle, there were every chance of mishap and law and order problem, however there were no human casualties as well as no injury either to the elephants or of any person. This was, perhaps, the first time that two tusker elephants had entered into the Howrah district having close vicinity of Kolkata and were successfully translocated.



XI. RESCUE OF ELEPHANT AT DURGAPUR

On 11.04.2018, at about 6.30 am, it was informed from the Durgapur Division that two stray tusker elephants entered into Durgapur town area crossing Damodar river from Barjora side of Bankura (North) Division and was noticed roaming at Durgapur Bazar, ABL Township, Bidhannagar Township etc. and finally one of them took shelter in the jungle of FCI premises.

The other elephant turned towards Arrah of Burdwan Division at about 9am. A team led by the DFO, Burdwan Division along with ADFO and staff-officers of the Division organised all efforts to confine the said elephant in the forest area to prevent any damage to life and property in the densely populated area. But, the aggressive behaviour of the elephant added with large gathering and clamour of the over-enthusiastic public prevented the driving and confinement procedure. The elephant started roaming in the densely populated Durgapur township area and being irritated by the public, it started chasing at them. Therefore, under the approval of appropriate authority, it was decided to tranquilize the elephant to translocate the same to natural habitat. Accordingly, the elephant was tranquilised at around 6pm on 11.04.2018 by a team of staff-officers comprising of Sri Pranab Das, FR, Sri Sanatan Murmu, DR/Fr, Sri Bangali Prasad, FG and Sri Subodh Das, FG. But due to bad weather, the elephant could not be lifted from that place and was kept at Arrah-Shibtala area under observation of DFO, ADFO, Burdwan Division and other staff-officers during the night.

On the next morning of 12.04.2018, the elephant was again tranquilised as it started to move towards Durgapur township. The elephant was then lifted on truck and taken to the forests of Jhilimili of Bankura (South) Division for release to the jungle.



XII. DIFFERENT PATROLLING REGIME AT SUNDARBAN TIGER RESERVE:

Being the one and only mangrove tiger land in the world and having most unique and difficult terrain for conservation work the STR authority has to undergo various modes of monitoring operations throughout the year viz.

1. **Operation Golden Honey:** Special intensive patrolling in the onset of honey season in the month of April. Vulnerable and strategic points are checked frequently especially in critical tiger habitat area.

2. **Operation Ghost Crab:** A simulated operation for catching of secret hidden objects (generally boats or flags) in forest.

3. **On Foot Survey of Sweet Water Holes:** This exercise is most risky. Field staff of all the ranges enter into the forest on foot in groups and physically check all the sweet water wholes inside the forest.

4. **Village Area Domination:** Combined team of different Ranges including Dog Squad, BSF personnel and SAP forces together move different strategic parts of the fringe villages and go on marching at different places.

5. **Combined Patrol:** Forest staff with Dog Squad, BSF and SAP jointly carry out patrolling in different creeks, river as well as village side.



6. **Festive Combing:** With special head quarter staff teams and combinations of different sized boats for the creeks with various widths this multi-operated exercises are carried out during all the special festivals like Durga-puja, Holi, Diwali, Christmas etc.

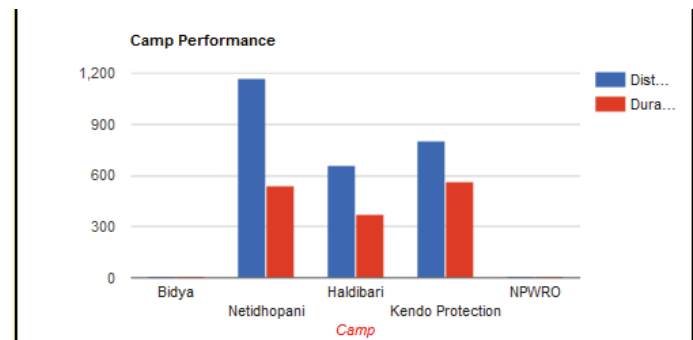
7. **Sea Shore and River Bank Patrol on foot:** Big staff team with officers execute on foot patrol at sea-shores and river banks within the tiger reserve forest.

8. **E-Patrolling:** Introduced first in Sundarban in West Bengal. This is Android mobile operated specialized software based technique of monitoring the all over patrolling in real time.

9. **Bird's Eye Surveillance with Camera and UAV:** Special monitoring measures undertaken by hidden cameras in all the watch towers along with surveillance monitors as well as high time monitoring with camera embedded drones.

10. **Festive time special floating check-posts:** Temporary floating check posts are kept in strategic points of the forests for monitoring unlawful entries including activities.

11. **Protection Meeting:** Protection meetings are done on various issues regarding protection and patrolling on a regular basis with the Field Director, Deputy Field Director, Assistant Field Directors and all the Camp-in-Charges of Sundarban Tiger Reserve.



XIII. TRAINING ON CHEMICAL IMMOBILIZATION

During the year 2018-19, the Wildlife Wing, West Bengal has organized Training Workshop on Chemical Immobilization of Wild Animals on different occasions in North Bengal and South Bengal involving the enthusiastic staff, officers of different Wildlife and Territorial Divisions, in the following manner.

Sl. No.	Circle	Participating Divisions	Venue / Place	Date
1.	Cons. & Extn. (Parks & Gardens)	Howrah Division	Garchumuk	26.11.2018
2.	Western	Medinipur & Jhargram	Gopegarh	27.11.2018
3.	Central	Panchet, Bankura (North) & Bankura (South)	Bishnupur & Beliatore	29.11.2018 & 30.11.2018
4.	South - East	Durgapur, Burdwan & Birbhum	Panagarh	01.12.2018
5.	Wildlife (North) & Northern	Darjeeling WL, Gorumara WL & Jalpaiguri	Bengal Safari & Murti NIC	22.01.2019, 23.01.2019 & 21.01.2019
6.	Northern & Buxa Tiger Reserve	Coochbehar, Buxa Tiger Reserve (East) & Buxa Tiger Reserve (West)	Rajabhatkhawa & South Rydak	15.01.2019 & 17.01.2019



XIV. PUBLIC AWARENESS CAMPAIGN ON HUMAN-ELEPHANT CONFLICT MITIGATION

During the time between October and March every year, the problem of Elephant depredation in the villages of Jhargram, Bankura and Paschim Medinipur runs havoc. This leads to a lots of Human-Elephant conflict due to loss of crops, huts and even lives of the villagers; keeping this problem in mind, like the last this year also the Wildlife Wing, West Bengal arranged for continuous awareness campaign in the conflict areas of Bankura (North) and Panchet Divisions of Bankura District as well as Medinipur, Kharagpur and Rupnarayan Divisions of Paschim Medinipur District.

A tableau was made with different posters and flex to create awareness to the common people about handling the elephant conflict situations. There was also miking by public address system as well as short length film/documentary show at different strategic locations of the villages making people aware about the situations of elephant conflicts and informing them do's/don'ts in those situations. This awareness campaign continued from November, 2018 to March, 2019.



XV. POPULATION ESTIMATION OF INDIAN ONE HORNED RHINOCEROS, 2019

The population estimation of wild population of Indian Rhinoceros (*Rhinoceros unicornis*) in Gorumara Wildlife Division and Jaldapara Wildlife Division was conducted on 12th - 13th February and 15th- 16th February 2019 by the parks management. Population estimation of wild animals is an important management tool for scientific management of a Protected Area (PA). The following are the primary objectives of conducting such population estimation of wild animals :

- Estimation of numbers of the species
- Sexing and determination of Male - Female Sex ratio
- Analysis of population trend and age-class
- Monitoring of habitat and habitat utilization
- To make changes in managerial strategy, if needed
- Determination of carrying capacity of PA's



Population estimation of Indian Rhinoceros (*Rhinoceros unicornis*) in Jaldapara Wildlife Division and Gorumara Wildlife Division was last conducted during 2015. To assist the population of Rhinoceros during 2015 these forest areas were enumerated following the technique of "Total Count" or Direct count method. The population estimation of the Indian Rhinoceros in Gorumara National Park, Chapramari Wildlife Sanctuary and adjoining Reserve Forest areas of Jalpaiguri Division was conducted on 12th and 13th of February 2019. Preliminary training on conducting the population estimation was imparted to the staff members, representatives of various NGO's, Banyapran sathis and JFMC members on 11/02/2019, at Murti conference hall of Murti Beat, Gorumara North Range. Also a one day training programme for Officers and staff members of Gorumara Wildlife Division and Jaldapara Wildlife Division, on Rhinodung sample collection for genetic analysis was held at Murti conference hall on 05/02/2019, resource persons being members of WWF and Aranyak, Assam. While that in Jaldapara Wildlife Division was

planned and executed on 15th and 16th Feb, 2019, adopting Total Count Methodology.

The population of Indian Rhinoceros in Jaldapara National Park reached an abysmal low to 14 in 1985, has since shown a steady positive trend reaching 237 individuals as per the present 2019 Rhino population estimation exercise. On the other had the Rhino population in Gorumara landscape appears to remain almost static or little increase in comparison to estimation figure of 49 during 2015 estimation to 52 during 2019 estimation.

The population Estimation exercise - 2019 and its positive outcome is a proof of successful wildlife management techniques by implementing protection monitoring protocols and habitat management interventions. Although the population of Indian Rhinoceros has increased steadily the threat of poaching remains, requiring constant monitoring & robust protection monitoring protocol. The rise of population also necessitates evaluation of the carrying capacity of the Parks to support further increase in population of the Rhinoceros.



XVI. DEER TRANSLOCATION FROM SURULIA MINI ZOO, PURULIA- 2019

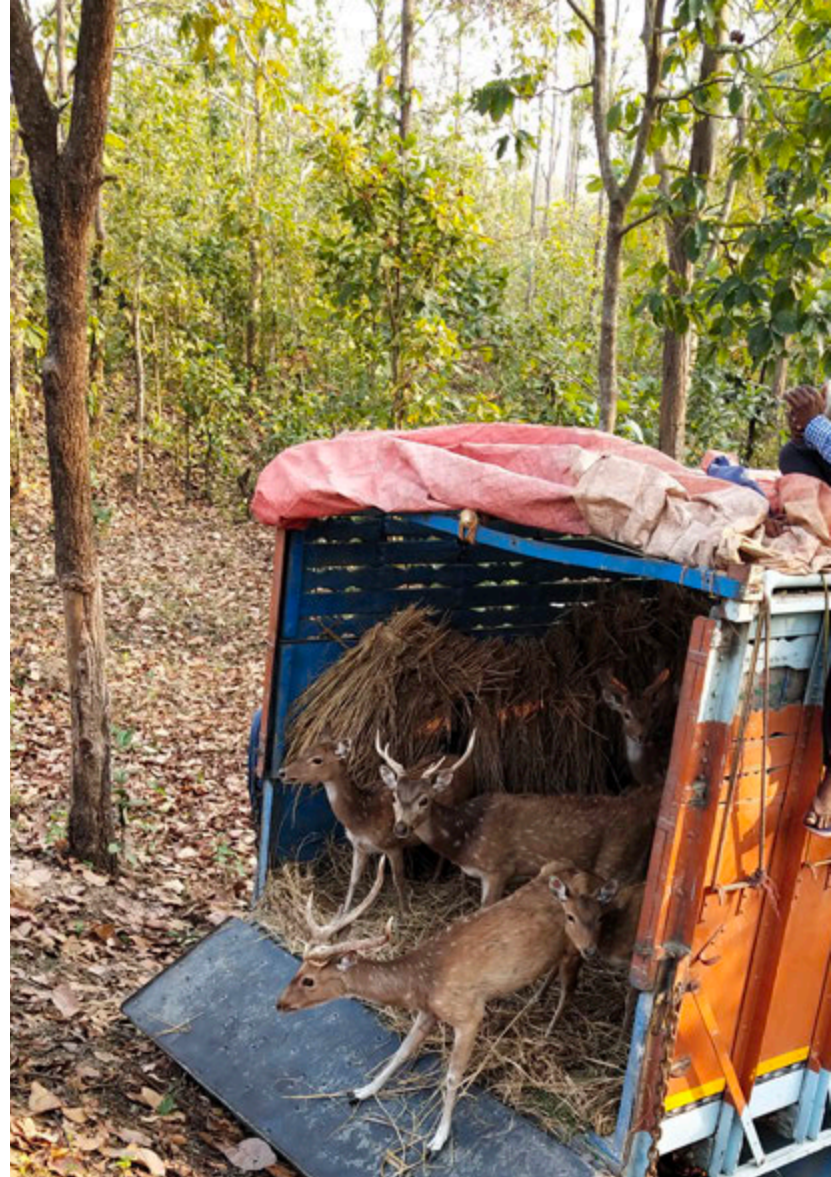
Deer translocation from the over populated Surulia Mini Zoo, Purulia, was undertaken during March, 2019. A technical team from the Wildlife (Headquarters), West Bengal was deputed for safe capture and transportation of the deer for rehabilitation to their natural habitat of Purulia.

Preparation began with erection of capture enclosure with nylon nets on 05.03.19 and completed on 09.03.19. The truck for carrying the captured deer was padded with paddy straws and 30 nos. (13 males + 18 females + 2 fawns) Spotted Deer were safely captured and loaded in the truck.

After considerable period of rest, the truck with the deer, reached Kuilapal Forest of Purulia safely.

All deer were released near a beautiful water source at Natundih mouza of Kuilapal Beat, Jamuna Range under Kangsabati (South) Division.

It needs to be mentioned here, that there was no injury of fatality to any deer in that said operation.



XVII. RAID AND AWARENESS CAMPAIGN AT REGULAR PET MARKETS IN KOLKATA

In Kolkata, there are mainly two places where Pet Markets are organised regularly by the traders. These two markets are Galiff Street Pet Market, Baghbazar and Boral Hat Pet Market. The pet market at Galiff Street is organised on every Sunday and that at Boral, is on every Monday and Friday.

The Galiff Street Pet Market is bigger and older too. The timing of this market is from 7am to 5pm, though people, the buyers and sellers start thronging the place well before the time of opening and sometimes after the time of closing, too. Things traded in these markets are mainly exotic birds, pigeons, bird cages, dogs, cocks, hens, ducks, fish, aquarium products and plants.

But there are tendency by some traders to sell Indian Scheduled Birds illegally in these markets. They generally bring these birds hidden inside their clothes, bags etc. The Staff-Officers of Wildlife (Headquarters), W.B. regularly conduct raid operation to control and stop selling of any Indian Scheduled Bird in these pet markets. They do the vigilance duty throughout the day at the Pet Market from the very beginning of the Market till the end of the day. Such vigilance has resulted in seizure as well as rescue of birds like Parakeets (Rose-Ringed, Alexandrine, Plum-Headed) Munia, Brahminy Maina, Hill Maina, Shikra, Orioles etc. from these markets in past.

Not only that, the Staff-Officers of Wildlife (Headquarters), W.B. also conduct awareness campaign for not to cage / keep as pet the Indian Scheduled Birds; the appeal is mainly approached to the buyers who visit these Pet Markets to buy a pet.

The buyers / consumers are mainly targeted for the awareness campaign, as it is believed that, if the demand for keeping Indian Scheduled Birds can be reduced, then it will automatically reduce the illegal hunting / capturing.





140-188

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 –	658
	a. Marine Algae –	50
	b. Others –	608
2	Fungi –	860
3	Lichens –	510
4	Bryophyta –	642
5	Pteridophyta –	530
6	Gymnosperms –	21
7	Angiosperms –	4387
	a. Monocots –	3237
	b. Dicots –	1150
8	True Mangroves	32



Annexure-2: Officer and Staff position in different Circle under Wildlife Wing upto 30.06.2018

[illegible]

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	Ajmalmari-9, 10, STR
2015	4	25	29	561	Lakshmir Khal, between Ajmalmari 9 & 10
2016	3	17	20	581	Sajnekhali, Sundarban Wild Animal Park (Jharkhali)
2017	-	48	48	629	Chulkati (Ramganga Range), Sajnekhali WLS
2018	-	-	-	-	-



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
Grand Total	118	123	241	27469	40558	68027	181486.66

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) = 218 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-1 Maruti Ertiga-1 Ambassador-1 TATA Xenon-4 Total-7	NIL	DBBL Gun-1 .315 Rifle-1 0.22 Rifle-1 Pump Action Gun-4 Total-7
Darjeeling Wildlife Division	Mahindra Scorpio-1, Maruti Zypsy-2, Airawat-1, Mahindra Jeep-6, Maruti Van-1, TATA 407-1, TATA DI-207-1, Motor Cycle-9, TATA Spacio-1, Bolero-3 Total-26	Fixed Station (Short Wave-9, Long Wave- 24)-33, Mobile Station (Short Wave-1, Long Wave-8)-9, Walkie Talkie (Short Wave-0, Long Wave-52), Mobile- 8)-60	DBBL Gun-54, Pump Action Gun-23, 0.315 Rifle-14, 12 Bore SBBL Gun-5, 0.22 Rifle-4 Total-100
Gorumara Wildlife Division	Scorpio-2, Maruti Zypsy-2, Bolero-4, TATA Sumo-1, Motor Cycle-6, Four Wheeler-7 Total-22	Fixed Station (Short Wave-10, Long Wave- 31)-41, Mobile Station (Long Wave-5), Walkie Talkie (Short Wave-26, Long Wave-34)-60, Mobile-16	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-27, Long Wave- 8)-35, Mobile Station (Short Wave-6, Long Wave-1)-7, Walkie Talkie (Short Wave-43, Long Wave-7, Mobile- 25)-75	DBBL Gun-83 Rifle-43 SBBL Gun-24 Pump Action Gun-12 Dart Gun-1 Total-163
Buxa Tiger Reserve (West)	Bolero-6 (hired); Scorpio-1; Gypsy-3; Bolero Campa-1; TATA Sumo-1; TATA 407-1; Mahindra-1; Pickup Van-1; Motor Cycle-13 Total-28	Fixed Station (Long Wave) -36 Mobile Station-5 Walkie Talkie-21	DBBL Gun-52 SBBL Gun-1 Rifle-10 Pump Action Gun-5 Total-68
Buxa Tiger Reserve (East)	Airawat-1, Bolero Pick-up-1; Bolero Camper-9; Motor Cycle-2; Total-13	Fixed Station (Short Wave-18, Long Wave- 16), Mobile Station (Short Wave-5, Long Wave-2 Nos.) Walkie Talkie (Short Wave-40, Long Wave-5) Mobile-13	DBBL Gun-37 SBBL Gun-2 .315 Rifle-8 0.22 Rifle-3 Pump Action Gun-6 Total-56
Sundarban Tiger Reserve	Gypsy-1, Jeep-1; Motor Cycle-4; Catamaran-1; Accommodation Boat-6; Mechanized Dingi-12; Speed Boat-14; Launch-3; Total-42	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)-39	Rifle-35 DBBL Gun-18 SBBL Gun-15 Air Gun-2 Total-70
24-Parganas (North)	TATA Xenon-1, Ambassador-1	NIL	Dart Gun-1 Air Gun-1

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

Sl. No.	Identification Transponder ID	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
M/S Olympic Circus													
1	00064E6C75	Mala	42 yrs. 1977 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
2	00064DE07C	Champa	38 yrs. 1981 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
3	00064DBD5D	Sabitri	39 yrs. 1980 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
4	00064D63EE	Chanchal	41 yrs. 1978 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
M/S AJANTA Circus													
5	00064ED07F	Padma	57 yrs. 1962 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Ajanta Circus, 89/3, Ripon Street (Muzaffar Ahmed St.), Kol-16	Performance in Circus shows	CWLW/MP/1081 dt. 26.12.00	Sheikh Nasiruddin		
6	00064E8386	Laxmi	49 yrs. 1970 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Ajanta Circus, 89/3, Ripon Street (Muzaffar Ahmed St.), Kol-16	Performance in Circus shows	CWLW/MP/1081 dt. 26.12.00	Sheikh Nasiruddin		
7	0006484595	Vajiyanti	61 yrs. 1958 NK	Female	NK	NK	Purchased from Sonepur Mela	M/S Ajanta Circus, 89/3, Ripon Street (Muzaffar Ahmed St.), Kol-16	Performance in Circus shows	CWLW/MP/1081 dt. 26.12.00	Sheikh Nasiruddin		
8	00064795DB	Chanda	40 yrs. 1979 NK	Female				Probat Circus given custody to Ajanta Circus, 89/3, Ripon St., Kol-16	Animal was seized for violation of Section 381 & 40(2) of the WPA for unable to proof the certificate of ownership & not intimating the CWLW, WB within 20 days of bringing the elephant in WB. Elephant 'CHANDA' was then seized & kept in custody of Ajanta Circus on 06.07.08 with the direction not to show any performance till the ownership is fixed				
M/S EMPIRE CIRCUS													
9	00069B185B	Bijli	43 yrs. 1976 NK	Male (Juvenile)	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
10	0006A2902F	Boudhi	41 yrs. 1978 NK	Female	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
11	0006A2901A	Laxmi	19 yrs. 2000 NK	Female	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
12	0006A2B3D6	Bahadur	19 yrs. 2000 NK	Male	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
13	0006A2AB41	Maina / Jamuna	19 yrs. 2000 NK	Female	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			

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

Sl. No.	Identification Transponder ID	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
M/S FAMOUS CIRCUS													
14	00064D70EC	Raja	20 yrs. 28.12.1998 Siliguri	Male	Champa	Ganesh	Born in Circus	M/S Famous Circus, 48 R.N.Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Lakhinder Barui		
15	00064DE5EC	Shiba	26 yrs. 16.05.1992 Laxmi Sarai, Bihar	Male	Biri	Ganesh	Born in Circus	M/S Famous Circus, 48 R.N.Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
16	00064DCE37	Champa	40 yrs. 1979 NK	Female	NK	NK	Purchased from Sonepur Mela on 1985	M/S Famous Circus, 48 R.N.Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
17	00064D98FB	Biri	40 yrs. 1979 NK	Female	NK	NK	Purchased from Sonepur Mela on 1985	M/S Famous Circus, 48 R.N.Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
18	00064DE07C	Sher Bahadur	5 yrs. 2014 NK	Male			Born in Circus	M/S Famous Circus, 48 R.N.Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	3/LC/CIRC dt. 18.05.18			
19	00064DD872	Ganesh	55 yrs. 1964 NK	Male	NK	NK	Purchased from Sonepur Mela on 1985	M/S Famous Circus, 48 R.N.Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
M/S NATARAJ CIRCUS													
20	00064DFCF1	Basanti	44 yrs. 1975 NK	Female	NK	NK	Purchased from Sonepur Mela on 11.11.1992	M/S Nataraj Circus, Vill:Bhaskur, P.O.Baluhati, Dist. Howrah, Pin-711401	Performance in Circus shows	24/1 dt. 08.10.99	Sri Bachha Mia		
21	00064DDAF8	Suman	21 yrs. 1998 NK	Female	NK	NK	Purchased from Sonepur Mela on 1995	M/S Nataraj Circus, Vill:Bhaskur, P.O.Baluhati, Dist. Howrah, Pin-711401	Performance in Circus shows	24/1 dt. 08.10.99	Sri Bachha Mia		
22	00064D7822	Bhola	55 yrs. 1964 NK	Male	NK	NK	Purchased from Sonepur Mela on 1992	M/S Nataraj Circus, Vill:Bhaskur, P.O.Baluhati, Dist. Howrah, Pin-711401	Performance in Circus shows	24/1 dt. 08.10.99	Md. Hasmullah		
M/S KOHINOOR CIRCUS													
23	0006A2B0F9	Savitri	50 yrs. 1969 NK	Female	NK	NK		M/S Kohinoor Circus, 50B, Elliot Road, Kolkata-700013	Performance in Circus shows	G-12/23-240 dt. 07.07.98 of CWLW, UP.			
24	0006A29434	Urmila	19 yrs. 2000 NK	Female	NK	NK		M/S Kohinoor Circus, 50B, Elliot Road, Kolkata-700013	Performance in Circus shows	N.S. 29, dt. 13.08.99 of DFO, Nagaon South Div., Hojai, Assam			



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

Sl. No.	Identification Transponder ID	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													
25		Rani	3+ yrs. Jaldapara WLS	Female				Zoological Garden, Alipore, Kolkata	Used as an exhibits of the Zoo				
26	00064DF07F	Titi	4+ yrs. Jaldapara WLS	Female				Zoological Garden, Alipore, Kolkata	Used as an exhibits of the Zoo				
NORTH BENGAL WILD ANIMALS PARK (BENGAL SAFARI), SILIGURI													
27	0006485BOC	Laxmi	59 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	
28	00064D8C34	Urmila	45 yrs. NK NK	Female	NK	NK	Purchased from Sonepur 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													
29	0006593C15	Faguni	10 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			
30	0006591BOA	Bishnupriya	2 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			

Annexure-6 List of Departmental Elephants as on 31.03.2019

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	00064DC8B9	SURYA	29 Yrs.	Captured	NK	NK	Captured from Sonamukhi Range (Bankura).	Male	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Sick	Faridul Haque, PDL	Dilip Barman, PDL
2	00064D88BF	MOTIRANI	21 Yrs.	Captured	NK	Captured from 28.08.00 from Holong Range, Jaldapara Wildlife Division	NA	Female	MURTIRANI	Wild	Budhuram Beat	Gorumara Wildlife Division	Patrolling	Subodh Oraon, PDL	Chhalim Oraon, PDL
3	00064DB642	RAMI	21 Yrs.	Captured	NK	NK	Captured from Chandrabak Range, West Midnapur.	Female	Wild	Wild	Budhuram Beat	Gorumara Wildlife Division	Patrolling	Prakash Kharia, PDL	Nirmal Oraon, PDL
4	00064DCEA2	BARSAN	8 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	TISTA	17 Yrs.	Captured	NK	NK	Captured from Gajoldoba, Tista riverbed.	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Tafjul Haque, PDL	Kawser Alam, DL
6	0006484BAA	AMANA	24 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
7	00064DAE9E	BASANTA	6 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	16 Yrs.	Seized	NK	NK	From Tista Check post	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Jaharlal Oraon, DL	Dulal Roy, DL
9	000647D81C	SHILABOTI	37 Yrs.	Captured	NK	NK	Captured from Lalgarh forest, Midnapur on 17.09.95	Female	Wild	Wild	Budhuram Beat	Gorumara Wildlife Division	Patrolling	Ramesh Oraon, PDL	Apu Roy, PDL
10	00064EF116	KABERI	23 Yrs.	Captured	NK	NK	Captured from Bhaluk Kunia forest, Dhadika Beat, Midnapur on 27.11.1996	Female	Wild	Wild	Bankura (North) Range	Bankura (North) Range	Driving	Dinabandhu Barman, BS	Apon Roy, PDL
11	00064DA911	FULMOTI	13 Yrs.	Seized	NK	NK	Seized from Tista Check Post on 15.12.02	Female	Wild	Wild	Basudevpur Pilkhana under Basudebpur Beat of Bishnupur Range	Panchet Division	Patrolling	Sulu Roy, PDL	Prabir Kwar, DL
12	000647B9LE	RAJA	8 Yrs.	Captured	NK	Wild	Captured from Jhargram	Male	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Under Training	Bimal Bhujel, PDL	Goutam Roy, DL
13		ARANYA	16 Yrs.	Captured	NK	NK	Captured	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Under Training	Babul Roy, DL	Arjun Oraon, DL
14	00064D9B04	SHRABANI	7 yrs.	Rescued	NK	NK	Rescued from Lataguri	Female	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Under Training	Satish Roy, PDL	Parimal Roy, DL
15	00064DB560	HILARY	20 Yrs.	Rescued	NK	NK	Rescued from Hillaajhora Forest Compartment of Jalpaiguri Dvn.	Female	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Sanjit Roy, PDL	Dipak Roy, DL
16	00064DB541	CHAMPA	38 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

Annexure-6 List of Departmental Elephants as on 31.03.2019

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)
17	000647CA1E	KIRANRAJ	20 Yrs.	Captive Bred	13.01.1998	Holong Pilkhana	NA	Male	MUKTIRANI	Wild	Basudevpur Pilkhana under Basudebpur Beat of Bishnupur Range	Panchet Division	Patrolling	Sanjay Suh, CDL	Dhaniram Oraon, DL
18		DIANA	12 Yrs.	Rescued	NK	NK	Rescued from Diana river	Female	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Badal Roy, PDL	Rambahadur Bhujel, DL
19	00064DBD55	SUMAN	25 Yrs.	Captive Bred	07.11.1993	Jaldapara	NA	Male	Sundarmoni	Wild	SRD Beat, SRD Range	Buxa Tiger Reserve (East)	Patrolling	Swapan Oraon, CDL	Haura Oraon, CDL
20	00064DB659	CHANDRIMA	18 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
21	0006479E69	CHANDAN	19 Yrs.	Captive Bred	11.01.2001	Holong Pilkhana	NA	Male	Champakali	Wild Makna	Chipra Beat, SRD Range	Buxa Tiger Reserve (East)	Patrolling	Sanichariya Oraon, DL	Harmohan Oraon, DL
22	00064DBC3E	NONAI	25 yrs.	Captured	NK	NK	Ranjan forest Beat (East Midnapore Div.) found abandoned & injured, left by elephant herd of Dalma on 27.12.94	Male, Tusker	NK	NK	Checko Beat under East Damanpur Range	Buxa Tiger Reserve (West)	Patrolling	Subhash Rava, PDL	Sanjay Narjary, PDL
23	00064F0BE7	CHAITI	13 Yrs.	Captive Bred	31.03.2006	Malangi Pilkhana	NA	Female	Champakali	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Rafikul Islam	Kartik Nayek, DL
24	Transponder not embedded	SRIMANTA	17 Yrs.	Captive Bred	05.09.2002	Sissamara	NA	Male, Tuskar	Shree	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Sunil Roy, PDL	Indrajit Chhetri, PDL
25	Transponder not embedded	RASARAJ	14 Yrs.	Captive Bred	27.03.2005	Moiradanga Pilkhana	NA	Male, Makna	Rangini	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Chandre Pradhan, PDL	Pradip Shama, DL
26	Transponder not embedded	MUKTARAJA	8 Yrs.	Captive Bred	30.08.2011	Hollong Central Pilkhana	NA	Male	Muktirani	Wild Tuskar	JPN Range	Jaldapara Wildlife Division	Patrolling	Susep Lakra, DL	Monoj Kharia, DL
27	00064DEF69	MITALI	13 Yrs.	Captive Bred	22.08.2006	CTTL Pilkhana	NA	Female	Menoka	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Chawre Majhi, PDL	Anil Oraon, DL
28	00064D6240	MUKTIRANI	35 Yrs.	Captive Bred	05.10.1984	Jaldapara West Camp	NA	Female	Singheshwari	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Swapan Oraon Toppo, DL	Hitram Soreng, DL
29	00064DB511	SRIKANTA	13 Yrs.	Captive Bred	13.12.2005	CTTL Pilkhana	NA	Male, Tuskar	Shree	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Anukul Roy, PDL	Prasenjit Roy, PDL
30	00064B5F15	PRITHWIRAJ	16 Yrs.	Captive Bred	28.02.2003	50 ft. beat	NA	Male, Makna	Priyodarshini	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Rajib Oraon, DL	Sukumar Oraon, DL
31		MUMTAJ	29 Yrs.	From Alipur Zoo	02.12.1989			Female	NK	NK	JPE Range	Jaldapara Wildlife Division	Patrolling	Somesh Oraon, CDL	Hiralal Oraon, CDL
32	000648CE78	LALITA	13 Yrs.	Captive Bred	21.05.2005	Hollong	NA	Female	Laxmi	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Gunodhar Barman, CDL	Ashit Karjee, CDL
33	000647C2D5	MATANGINI	11 Yrs.	Captive Bred	31.10.2007	Hollong	NA	Female	Muktirani	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Ranjit Karjee, PDL	Shabhu Das, PDL
34	0006477B49	DIGAMBAR	16 Yrs.	Captive Bred	13.06.2002	South Rydak	NA	Male Tuskar	Promila	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Lalit Oraon, PDL	Pundu Hansda, CDL
35	00064DCBEA	TARZAN	22 Yrs.	Rescued	Age approx. 1 year when rescued	Wild	Rescued from Belakoba Range on 06.9.1996	Male, Tuskar	Wild	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Mangal Gowala, PDL	Furjut Oraon, CDL
36	Transponder not embedded	URMI	10 Yrs.	Rescued	Age approx. 12 months when rescued	Wild	Rescued from Tarabari, nuya basti (16 FAD) Bagdogra range, Kurseong Div. on 10.01.2010	Female	Wild	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Chaitu Rava, PDL	Indrojit Oraon, CDL
37	0006485C6B	BHARAT	24 Yrs.	Captive Bred	29.09.1994	Jaldapara	NA	Male Makna	Kuntalini	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Narayan Rava, PDL	Kiran Oraon, CDL
38	Transponder not embedded	SHANKHARI	9 Yrs.	Captive Bred	09.12.2009	Jaldapara	NA	Female	Sundari	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Dulal Rava, PDL	Subhas Kharia, DL



Annexure-6 List of Departmental Elephants as on 31.03.2019

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)
39	Transponder not embedded	SARUL	16 Yrs.	Captive Bred	12.04.2003	Jaldapara	NA	Male, Makna	Sakuntala	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Sani Kharia, CDL	Puna Kharia, PDL
40	Transponder not embedded	TEESTA	9 Yrs.	Rescued	Age approx. 2 months when rescued	Wild	Rescued from Belacoba range, BKP Dvn; received from Gorumara WL Div. on 20.09.2009	Female	Wild	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Jahangir Haque, CDL	Narasingsh Rava, CDL
41	00064D6905	MENOKA	49 Yrs.	Purchased	Age approx. 25 years when purchased	NK	Purchased from Sonpur Mela on 1994	Female	NK	NK	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Mahesh Baraik, BS	Shubendra Saiba, CDL
42	000647E20E	SUNDARI	21 Yrs.	Captive Bred	30.04.1998	Jaldapara	NA	Female	Sundarmoni	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Pawan Rava, BS	Rajib Oraon, DL
43	Transponder not embedded	BALASUNDAR	11 Yrs.	Rescued	Age approx. 07 days when rescued	Wild	Rescued from Balasun river bed Kurseong Div. on 08.07.2007	Male	Wild	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Rabi Oraon, PDL	Akash Kharia, DL
44	Transponder not embedded	ANARKALI	8 Yrs.	Captive Bred	08.03.2011	Jaldapara	NA	Female	Champakali	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Kajal Biswasharma, CDL	Sunil Oraon, CDL
45	Transponder not embedded	SOURAV	10 Yrs.	Captive Bred	05.11.2008	Jaldapara	NA	Male	Sundarmoni	NK	Chilapata	Jaldapara Wildlife Division	Patrolling	Binod Gowala, DL	Munna Oraon, DL
46	Transponder not embedded	SAILI	11 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
47	00064D87BB	SUNDAR	17 Yrs.	Captive Bred	04.03.2002	Sissamara	NA	Male, Makna	Sundarmoni	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Dipak Karjee, DL	Dipak Khariya, DL
48	Transponder not embedded	RAMU	10 Yrs. .	Rescued	Age approx. 2 years when rescued	Wild	Rescued from Titi - 4 Comp, NP Range WL - III Div. on 23.12.2010;	Male, Makna	Wild	Wild	Mendabari	Jaldapara Wildlife Division	Patrolling	Sanjoy Munda, DL	Utpal Hazari, DL
49	Transponder not embedded	SUJATA	13 Yrs.	Captive Bred	12.12.2005	Malangi	NA	Female	Sundarmoni	Wild	Mendabari	Jaldapara Wildlife Division	Patrolling	Bishu Roy, PDL	Manu Barman, DL
50	Transponder not embedded	DARSHAN	8 Yrs.	Captive Bred	13.12.2010	Jaldapara	NA	Male	Priyodarshini	Wild Makna	JPN Range	Jaldapara Wildlife Division	Patrolling	Ajoy Oraon, PDL	Somen Majhi, DL
51	Transponder not embedded	ROHINI	11 Yrs.	Rescued	Age approx. 1.5 years when rescued	Wild	Rescued from Rohini TG, WL - I Div. on 14. 08.2008	Female	Wild	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Juel Kharia, DL	Kamal Oraon, DL
52	00064DC240	PRIYADARSINI	35 Yrs.	Captive Bred	25.12.1983	Hollong	NA	Female	Champarani	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Ratilal Oraon, PDL	Biplab Sutradhar, DL
53	00064DA999	AMRAPALI	20 Yrs.	Captive Bred	02.01.1999	Jaldapara	NA	Female	Champakali	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Bikash Kharia, PDL	Panchu Oraon, PDL
54	00064D8A43	DIANA	23 Yrs.	Captive Bred	31.03.1996	Hollong	NA	Female	Wild	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Binod Oraon, PDL	Ram Lal Oraon, DL
55	0006478575	CHAMPAKALI	57 Yrs.	Purchased	Age approx. 20 years when purchased	NK	Purchased from Singheswari mela (Saharsa) on 18.02.1982	Female	NK	NK	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Rabi Biswasharma, PDL	Suraj Kharia, DL
56	00064D8D55	SUNDARMANI	45 Yrs.	Captive Bred	10.11.1973	Jaldapara	NA	Female	Gajomoti	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Ajit Gabur, PDL	Prakash Oraon, PDL
57	00064D710C	MINAKSHI	27 Yrs.	Captive Bred	11.11.1991	Jaldapara	NA	Female	Shree	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Md. Faruk Islam, PDL	Bandhulal Karjee, DL

Annexure-6 List of Departmental Elephants as on 31.03.2019

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)
58	00064D6C05	JENNY	23 Yrs.	Rescued	Age approx. 10 months when rescued	Wild	Rescued from Batabari T.E.on 07.07.1996	Female	Wild	Wild	CTTL Hollong	Jaldapara Wildlife Division	Patrolling	Khakan Rava	Maresh Oraon
59	Transponder not embedded	KUNTAL	12 Yrs.	Captive Bred	04.09.2006	Jaldapara	NA	Male, Makna	Kuntalini	Wild	CTTL Hollong	Jaldapara Wildlife Division	Patrolling	Ratan Bhagat, PDL	Raja Lakra, DL
60	00064D7BFO	CHANDAN	20 Yrs.	Captive Bred	25.09.1998		NA	Male			CTTL Hollong	Jaldapara Wildlife Division	Patrolling	Chandel Oraon, PDL	Niranjan Roy, DL
61	Transponder not embedded	BHIM	2 Yrs.	Rescued	NK	NK	Rescued on 21.06.2017	Male	Unknown	Wild	CTTL Hollong	Jaldapara Wildlife Division	Under Training	Amal Roy, DL	
62	00064D8BBC	BUDHADEB	3 Yrs.	Rescued	04.05.2015	NK	Rescued from Jhargram on 25.07.2015	Male	Wild	Wild	Harindanga Watch Tower, JPW Range	Jaldapara Wildlife Division	Under Training	Paritosh Biswasharma, CDL	Shyamal Barman, CDL
63	0006485B07	DEBJANI	42 Yrs.	Other Source	1976	NK	Brought from Alipore Zoo on 18.01.1998	Female	NK	NK	Harindanga Watch Tower, JPW Range	Jaldapara Wildlife Division	Patrolling	Subhash Lakra, CDL	Goutam Roy, DL
64	00064DBD5D	SABITRI	56 Yrs.		02.11.1962			Female			Harindanga Watch Tower, JPW Range	Jaldapara Wildlife Division	Patrolling	Babudasa Roy, CDL	Bimal Karjee,CDL
65	00064DA06A	MOTILAL	18 Yrs.	Captive Bred	13.10.2000	Hollong	NA	Male, Makna	Menoka	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Bishnu Oraon, BS	Arobindo Roy, CDL
66		PHULWANTI	25 Yrs.		25.05.1993			Female			JPW Range	Jaldapara Wildlife Division	Patrolling	Purna Oraon, PDL	Md. Sariful Islam, CDL
67	00064E79DC	RANGALAL	8 Yrs.	Captive Bred	22.12.2010	Jaldapara	NA	Male	Rangini	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Dilip Oraon, PDL	Bablu Oraon, CDL
68	00064D9C51	CHIPRARANI	56 Yrs.	Captured	Age approx 25 years when captured	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
69		SAMRIDHI	3 Yrs.		06.03.2016	Jaldapara		Female	Sundarmani	Wild	CTTL Hollong	Jaldapara Wildlife Division	Under Training	Sunil Biswasharma, CDL	
70	00064DC133	LAXMAN	18 Yrs.		04.12.2000			Male			JPW Range	Jaldapara Wildlife Division	Patrolling	Rithey Subba, PDL	Krishna Darjee, CDL
71		DEVANSH	3 Yrs.		27.08.2015	Jaldapara		Male	Dejani	Wild	JPW Range	Jaldapara Wildlife Division	Under Training	Bholanath Sarkar, CDL	
72	00064D7087	JOY	8 Yrs.	Captive Bred	04.11.2010	Jaldapara	NA	Male	Jeney	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Dilip Munda, PDL	Goutam Chanda, CDL
73	00064DB0EB	BANGSIRAJ	9 yrs.		28.06.2009			Male			JPW Range	Jaldapara Wildlife Division	Patrolling	Md. Delowar Ali, CDL	Uttam Karjee, CDL
74		IRAKHI	6 Yrs.		22.04.2013	Jaldapara	NA	Female			JPW Range	Jaldapara Wildlife Division	Patrolling	Ukil Oraon, PDL	Ramen Adhikary, CDL
75	00064D7B93	MADHUMALA	70 Yrs.	Purchased	Age approx. 24 yrs at the time of purchase	NK	Purchased from Sompur mela on 1979	Female	NK	NK	JPW Range	Jaldapara Wildlife Division	Patrolling	Budhuaya Kharia, PDL	Dipak Kumar Roy, CDL
76	0006478820	RUDRAPRASAD	22 Yrs.	Captive Bred	08.03.1997	Hollong	NA	Male, Tuskar	Madhumala	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Chaneswar Karjee, PDL	Dhiren Karjee, CDL
77	000647CF4	JONAKI	49 Yrs.		30.04.1970			Female			JPW Range	Jaldapara Wildlife Division	Patrolling	Naru Kharia, CDL	Bablu Kharia, CDL
78	000647C87A	AMBA	5 Yrs.		20.09.2013			Female			JPW Range	Jaldapara Wildlife Division	Under Training	Md. Mamta Ali, CDL	Sunil Kharia, CDL
79	00064DF8CF	SAMBHU	25 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
80	00064DB288	MAINAK	24 Yrs.	Captive Bred	13.11.1994	Hollong	NA	Male, Makna	Menoka	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Sibal Oraon, CDL	
81	00064DBD53	KARNA	17 Yrs.	Captive Bred	14.10.2001	Jaldapara	NA	Male, Makna	Kuntalini	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Amashu Kharia, PDL	Latilal Oraon, PDL
82	00064DECf2	MADHURI	13 Yrs.	Captive Bred	26.06.2005	Jaldapara	NA	Female	Menoka	Wild	JPW Range	Jaldapara Wildlife Division	Patrolling	Bandhey Oraon, PDL	Siman Oraon, CDL
83	00064D7E62	NARBAHADUR	22 Yrs.	Captive Bred	24.11.1996	Jaldapara	NA	Male			JPE Range	Jaldapara Wildlife Division	Patrolling	Laitu Ekka, PDL	Fuldas Beck, CDL

Annexure-6 List of Departmental Elephants as on 31.03.2019

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)
84		LALU PRASAD	4 Yrs.	Captive Bred	17.07.2014	Jaldapara	NA	Male			JPE Range	Jaldapara Wildlife Division	Under Training	Nabiul Haque, CDL	Tapash Barman, CDL
85	00064EE088	RANGINI	28 Yrs.	Captive Bred	28.01.1991	Jaldapara	NA	Female	Matangini	Wild	JPN Range	Jaldapara Wildlife Division	Patrolling	Sujit Biswasharma, PDL	Fiku Oraon, DL
86	00064E058E	BALARAM	7 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 Islam, CDL
87	00064DA505	ANUSHUA	43 Yrs.	Captive Bred	31.12.1975	Jaldapara	NA	Female	Matangini	Wild	JPE Range	Jaldapara Wildlife Division	Patrolling	Jahadul Haque, CDL	Krishna Bhagat, CDL
88	00064D0A97	RANBIR	4 Yrs.	Captive Bred	06.07.2014	Jaldapara	NA	Male			JPE Range	Jaldapara Wildlife Division		Aimul Islam, CDL	Raju Oraon, CDL
89	00064D8F5A	GAURI	3 Yrs.	Captive Bred	14.02.2015	Jaldapara	NA	Female	Priyadarshini	Wild Makna	JPE Range	Jaldapara Wildlife Division		Pradhan Oraon, CDL	Naresh Barman, CDL



Annexure-7

Chemical Immobilisation of Major Wild Animals in West Bengal during 2018-19

SL. No.	Date	Location	Description	Immobilising Drug (in ml.)	Remarks
Elephant					
1	11.04.2018	Durgapur FCI Colony	Male, Adult - 2 Nos.	Xylazine-17.0 ml & Ketamine-12.0 ml	Sucessfully tranquilized by Bankura (North) Division
2	12.04.2018	Durgapur Malandighi	Male, Adult	Xylazine-28.0 ml & Ketamine-20.0 ml	Sucessfully tranquilized by Bankura (North) Division
3	11.02.2019 to 14.02.2019	Habra Manik Pirtola	Male, Adult - 2 Nos.	Xylazine-20.0 ml & Ketamine-18.0 ml	Sucessfully tranquilized by Bankura (North) Division
4	12.02.2019	Manikpur village of J.B.Pur Block, Howrah	Tusker-2 Nos. (Sub-adult)		Sucessfully tranquilized
Leopard					
1	18.11.2018	Jogesh ch. T.E., WLS-II, Mal	Leopard, Male, 4 yrs.	Xylazil-1.00 ml+ ketamil- 2.50ml	Rescue at NIC of Eco-Tourism Range for observation.
2	22.11.2018	NIC of Eco-Tourism Range .	Leopard, Male, 4 yrs.	Xylazil-0.50 ml+ ketamil- 2.00ml	Release in Natural Habitat. Bhabe Line of GNP after setting Radio Collar.
3	28.02.2019	Baradighi FV. adjacent Baradighi Beat, KSQ, Khunia	Leopard, Male, 2 yrs.	Xylazil-1.00 ml+ ketamil-50 mg= 5.00ml	Observation at NIC of Eco-Tourism Range
4	22.12.2018	Leopard	Air force area	Xaizil 0.6ml and Ketarmine 1.8ml.	Sent to South Khairbari Rescue Centre at Madarihath.
5	31.01.2019	Leopard, Male, Adult	Raichenga, Near Kkadambini T.E, Falakata		Sent to South Khairbari Rescue Centre at Madarihath.
Gaur					
1	21.01.2019	Ghagra, Alipurduar	Gaur-2 Nos.	Xylazine+Ketamine	
2	15.03.2019	Tapshikhata, Alipurduar	Gaur-2 Nos.	Xylazine+Ketamine	
3	23.09.2018	Rangpo, Sikkim	Gaur, 14 yrs., Male	Xilazine-7 ml, Ketamine-2 ml	Died after released at Mahananda WLS
4	17.03.2019	Turturi	Gaur, Male, Adult		Animal succumbed to death after rescue
5	25.03.2019	Bataigoal Village , WLS-II, Mal	Gaur, Female, 8-10 yrs.	Xylazil-7.00 ml+ ketamil-50 mg= 6.00ml.	Release in Natural Habitat. Bhabe Line of GNP after recovery
6	15.03.2019	Indian Gaur (2Nos.)	Chakoakheti	Ketarmine 10ml each	Released in Chilapata Forest safely

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) 10th Mile,
- g) Jolly.

2. Senchal Wild Life Sanctuary :

- a) Chatakpur,
- b) Paschim,
- c) Dhoria,
- d) 3rd 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)



Divisional Forest Officer, Jaldapara Wildlife Division, Coochbehar :

- | | | | |
|---------------------|-----------------------|-------------|---------------------|
| 1. Uttar Mendabari, | 2. Dakshin Mendabari, | 3. Titi, | 4. Salkumar, |
| 5. Mantharam, | 6. Kodalbasti, | 7. Dhumchi, | 8. North Khairbari, |
| 9. South Khairbari, | 10. Bania, | 11. Andu, | 12. Kurmai |

Buxa Tiger Reserve (West) Division :

Forest Village

- | | | | |
|---------------------|---------------------|----------------------|----------------------|
| 1. East Garam F.V., | 2. West Garam F.V., | 3. Poro South F.V., | 4. Poro North F.V., |
| 5. Kalkut FV, | 6. Pani Jora F.V. | 7. Bamni Basti F.V., | 8. Pampu Basti F.V., |
| 9. Garo Bosti, | 10. Gadadhar F.V., | 11. Pana, | 12. 20th mile FV |
| 13. 21st mile FV, | 14. Nimati & Dabri, | 15. Dalbadal, | 16. Raimatang, |
| 17. Gangutia, | 18. Adma | 19. Bhutri FV, | 20. |
| Gudamdabri | | | |

F.D. Holding

- a) Damanpur FDH, b) Rajabhatkhawa FDH

Buxa Tiger Reserve (East) Division :

- | | | | |
|-----------------------------|---------------------------|----------------|------------------|
| 1. 28 th Mile, | 2. 29 th Mile, | 3. Shiltong, , | 4. Chipra, |
| 5. Sankosh, | 6. Kumargram, | 7. Newlands, | 8. Lapraguri, |
| 9. Khutimari, | 10. Bengdoba, | 11. Balapara, | 12. Indubasti, |
| 13. Chunabhati, | 14. Santrabari, | 15. Tiamari, | 16. Bhutiabasti, |
| 17. Lepchakhawa (Tashigaon) | | | |

F.D. Holding

- a) Jainty

Annexure-9

Seminar / Workshop organized on Wildlife Management during 2018-19

Sl.	Date	Location	Topic	Organized by	No. of participants
1.	2018-19	Kulik, Raiganj	Bird Census	Raiganj Division, NGOs, & Schools of Raiganj	60 Nos.
2.	16.07.2018	Jhalda	Snake catching and rescue	Purulia Division	60 Nos.
3.	10.05.2018	Usutpur Soudamini Vidyamandir	Prevention of poaching during Falharini Kali Puja (Soinda Parab)	Purba Medinipur Division	130 Nos.
4.	30.12.2018	Nandigram Beat, Gangrachar	Celebration of Wildlife Day	Purba Medinipur Division	200 Nos.
5.	24.03.2019	Bamanpokhri Range	Special training to Range Officers, Beat Officers, and staff in connection with control of poaching and illegal trade in Wildlife	Kurseong Division	30 Nos.
6.	11.01.2019	Nalikul West G.P. Hall, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	150 Nos.
7.	11.01.2019	Bagmari Primary School, Tarakeswar, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	160 Nos.
8.	14.01.2019	Dumurdaha Nityananda-I G.P. Meeting Hall, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	155 Nos.
9.	14.01.2019	Guptipara-I Meeting Hall, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	170 Nos.
10.	16.01.2019	Makalpur G.P. Hall, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	160 Nos.
11.	21.01.2019	Janai G.P. Hall, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	165 Nos.
12.	24.01.2019	Jigur G.P. Hall, Hooghly Dist.	Wildlife awareness & sensitization camp	Howrah Division	150 Nos.
13.	08.02.2019	Bhadur Primary School, Arambagh	Wildlife awareness & sensitization camp	Howrah Division	145 Nos.
14.	08.02.2019	Baigram Primary School, Arambagh	Wildlife awareness & sensitization camp	Howrah Division	150 Nos.
15.	09.02.2019	Bali G.P. Office, Arambagh	Wildlife awareness & sensitization camp	Howrah Division	155 Nos.
16.	09.01.2019	Jaychanditala High School, Domjur, Howrah	Wildlife awareness & sensitization camp	Howrah Division	200 Nos.
17.	13.01.2019	Penro School of Udaynarayan Block, Howrah	Wildlife awareness & sensitization camp	Howrah Division	170 Nos.
18.	15.01.2019	Anulia High School, Howrah	Wildlife awareness & sensitization camp	Howrah Division	150 Nos.
19.	15.01.2019	Sir Syed Ahmed H. School, Howrah	Wildlife awareness & sensitization camp	Howrah Division	150 Nos.
20.	17.01.2019	Bargachia	Wildlife awareness &	Howrah Division	200 Nos.

		Priyonath Pathsala, Howrah	sensitization camp		
21.	15.01.2019	Shyampur-I Block, Uluberia, Howrah	Wildlife awareness & sensitization camp	Howrah Division	162 Nos.
22.	15.01.2019	Shyampur-II Block, Howrah	Wildlife awareness & sensitization camp	Howrah Division	152 Nos.
23.	16.01.2019	Bagnan-II Block, Howrah	Wildlife awareness & sensitization camp	Howrah Division	162 Nos.
24.	16.01.2019	Amta-II Block, Howrah	Wildlife awareness & sensitization camp	Howrah Division	155 Nos.
25.	18.01.2019	Panchla Block, Howrah	Wildlife awareness & sensitization camp	Howrah Division	160 Nos.
26.	18.01.2019	Uluberia-I Block	Wildlife awareness & sensitization camp	Howrah Division	158 Nos.
27.	24.01.2019	Bagnan-I Block	Wildlife awareness & sensitization camp	Howrah Division	160 Nos.
28.	24.01.2019	Uluberia-II Block	Wildlife awareness & sensitization camp	Howrah Division	156 Nos.
29.	03.04.2018	Division Conference Hall	Awareness for Shikar Utsav	Panchet Division	60 Nos.
30.	30.12.2018	Range & Divisional Office	Observance of Wildlife Day	Panchet Division	150 Nos.
31.	24.01.2019 to 05.02.2019	Range Office-Bankadaha, Bishnupur, Joypur, Onda & Taldangra	Special Audia Visual Campaign for awareness on Human-Elephant Conflict	Panchet Division	1000 Nos.
32.	15.02.2019	Bikash Hall, Joypur	Wildlife Awareness	Panchet Division	100 Nos.
33.	July 2018	All Ranges	Mitigation of Human-Elephant Conflict and awareness for Shikar festival	Rupnarayan Division	500 Nos. including School children from different schools
34.	September 2018	All Ranges	Mitigation of Human-Elephant Conflict and awareness for Shikar festival	Rupnarayan Division	5000 Nos. including School children from different schools
35.	December 2018	All Ranges	Mitigation of Human-Elephant Conflict and awareness for Shikar festival	Rupnarayan Division	300 Nos. including School children from different schools
36.	January 2019	All Ranges	Mitigation of Human-Elephant Conflict and awareness for Shikar festival	Rupnarayan Division	300 Nos. including School children from different schools
37.	13.04.2018	Beliatore	Workshop on Human-Animal Conflict, Alternate crop cultivation	Bankura (North) Division	FPC Members, Public representatives, etc
38.	02.06.2018 to 21.06.2018	Beliatore	Workshop on Human-Animal Conflict, Alternate crop cultivation, Photo exhibition on Wildlife	Bankura (North) Division	FPC Members, Public representatives, etc
39.	28.12.2018	Beliatore, Radhanagar	Workshop on Human-Animal Conflict	Bankura (North) Division	FPC Members, Public representatives, etc
40.	30.12.2018	Barjora	Workshop on Human-Animal Conflict, Alternate crop cultivation	Bankura (North) Division	FPC Members, Public representatives, etc
41.	19.02.2019	Radhanagar	Workshop on Human-Animal Conflict	Bankura (North) Division	FPC Members, Public representatives, etc
42.	12.04.2018	Mukutmonipur Abakash Holiday Home	Wildlife and its importance	Bankura (South) Division	80 Nos.
43.	12.04.2018	Mukutmonipur	Importance of	Bankura (South)	60 Nos.

		Abakash Holiday Home	Living Animals in the Forest.	Division	
44.	25.04.2018	Khatra Range Timber Depot	Awareness against Hunting of Animals and Birds.	Bankura (South) Division	90 Nos.
45.	25.04.2018	Khatra Range Timber Depot	Wildlife and its importance	Bankura (South) Division	100 Nos.
46.	05.06.2018	Khepardanga Primary School	Wildlife and its importance	Bankura (South) Division	150 Nos.
47.	10.11.2018	Forest Range Office, Jhilimili Range.	Elephant Depredation and its Management	Bankura (South) Division	30 Nos.
48.	15.11.2018	Khabradihi, Kamalpur, Bankura	Wildlife and its importance	Bankura (South) Division	150 Nos.
49.	28.12.2018	Andharia Primary School	Wildlife and its importance	Bankura (South) Division	130 Nos.
50.	28.12.2018	Sialpahari Community Hall, Khatra.	Celebration of Wildlife Day 2018.	Bankura (South) Division	120 Nos.
51.	28.12.2018	Krishnapur Primary School	Celebration of Wildlife Day 2018.	Bankura (South) Division	120 Nos.
52.	28.12.2018	Amakonda Primary School	Wildlife and its importance	Bankura (South) Division	300 Nos.
53.	30.12.2018	Motgoda West Primary School	Wildlife and its importance	Bankura (South) Division	450 Nos.
54.	30.12.2018	BethualaGovt sponsored ashram type girls school Ambikanagar beat Ranibandh Range	Wildlife and its importance	Bankura (South) Division	30 Nos.
55.	06.02.2019	Bethuala junior high school Ambikanagar beat Ranibandh Range	Man-Animal Conflict and its management.	Bankura (South) Division	80 Nos.
56.	15.02.2019	Taldiha Primary School	Wildlife and its importance	Bankura (South) Division	450 Nos.
57.	22.02.2019	Shyamsundarpur Primary School	Wildlife and its importance	Bankura (South) Division	320 Nos.
58.	22.02.2019 to 24.02.2019	Ranibandh Range Office area	Man-Animal Conflict and its management.	Bankura (South) Division	100 Nos.
59.	25.02.2019	Forest Range Office, Jhilimili Range.	Elephant Depredation and its Management.	Bankura (South) Division	112 Nos.
60.	19.03.2019	Khatra Range Timber Depot	Wildlife and its importance	Bankura (South) Division	105 Nos.
61.	20.03.2019	Motgoda Range Office	Wildlife and its importance	Bankura (South) Division	150 Nos.
62.	20.03.2019	Ratanpur Beat Compound	Wildlife and its importance	Bankura (South) Division	550 Nos.
63.	11.12.2018	Amajola Md. Bazar Range	Awareness Camp for migratory bird	Birbhum Division	210 Nos.
64.	28.12.2018	Ballavpur WLS	Nature Camp for awareness on wildlife	Birbhum Division	75 Nos.
65.	05.06.2018	Gopegarh Eco Park	Sensitization workshop on Spider sp. (Tarantula) & Repliles.	Medinipur Division	83 Nos.
66.	12.08.2018	Gopegarh Eco Park	Sensitization workshop (SAFE) on Man-Elephant Conflict involving FPC	Medinipur Division	105 Nos.

			members, public representatives & civil, Police Administration Line Departments.		
67.	12.08.2018	Medinipur Division	Workshop on Wild Life (Specially on Elephant) in the light of Man Elephant conflict (Celebration of Elephant Day).	Medinipur Division	85 Nos.
68.	05.10.2018	Gopegarh Eco Park	Sensitization workshop with media on Illegal Wildlife related trade.	Medinipur Division	85 Nos.
69.	20.11.2018	Gopegarh Eco Park	Elephant population estimation programme	Medinipur Division	55 Nos.
70.	22.12.2018	Gopegarh Eco Park	Sensitization workshop with FPC members & School students on wildlife issue.	Medinipur Division	78 Nos.
71.	12.02.2019	Gopegarh Eco Park	Handling of Reptiles	Medinipur Division	45 Nos.
72.	06.02.2019	Murti NIC	Rhino Census	Gorumara Wildlife Division	50 Nos.
73.	17.04.2018	NIC, Sukna	Training over Legal Issues	Darjeeling Wildlife Division	29 Nos.
74.	09.06.2018	NIC, Sukna	Hands on Training Workshop for Frontline Forest Staff regarding mitigating Human-Wildlife Conflicts	Darjeeling Wildlife Division	29 Nos.
75.	27.06.2018	NIC, Sukna	Workshop on Innovation and Research	PCCF/HoFF/ WB	30 Nos.
76.	13.01.2019	NIC, Sukna	Training on Chemical Restraints of Wildlife	Darjeeling Wildlife Division	40 Nos.
77.	04.02.2019	NIC, Sukna	Training on status of Tiger in High Altitude Ecosystem	WWF- India	64 Nos.
78.	03.03.2019	NIC, Sukna	Training on Population Estimation of Indian Gaur (Bison)	Darjeeling Wildlife Division	52 Nos.
79.	20.04.2018	Darjeeling	Elephant Corridor	Darjeeling Wildlife Division	90 Nos.
80.	03.07.2018	Bhagabatpur Range Office complex	Management of estuarine crocodile	24-Parganas (South) Division in association with 'NATURE MATES' member.	60 nos.
81.	30.01.2019	Jharkhali	Nature Guide	24-Parganas (South) Division	100 nos.
82.	09.08.2018	Bonnie Camp	Good practice	24-Parganas (South) Division	31 nos.
83.	22.06.2018	NIC/Rvk. N.I.C.	Workshop on Intelligence gathering on trade on Wildlife	Buxa Tiger Reserve (West)	24 nos.
84.	11.08.2018	Rvk. N.I.C.	Meeting on Man-animal conflict	Buxa Tiger Reserve (West)	24 nos.
85.	09.09.2018	Rvk. N.I.C.	Tiger estimation training.	Buxa Tiger Reserve (West)	20 nos.
86.	14.09.2018	Rvk. N.I.C.	Tour Guide Training by Nature Mates, Nature Club	Buxa Tiger Reserve (West) with various	95 nos.



			and Nature Conservation Foundation.	nature clubs.	
87.	27.09.2018	Rvk. N.I.C.	Meeting on Man-animal conflict.	Buxa Tiger Reserve (West)	50 nos.
88.	12.11.2018	Rvk. N.I.C.	Workshop about Tiger Estimation 2018.	Buxa Tiger Reserve (West)	87 nos.
89.	16.11.2018	Rvk. N.I.C.	Confidence Development .	Buxa Tiger Reserve (West) with N.G.O.	27 nos.
90.	12.12.2018	Rvk. N.I.C.	Workshop on dealing with People.	Buxa Tiger Reserve (West)	20 nos.
91.	26.03.2019	Rvk. N.I.C.	Workshop on “Motivation” organized by FTC/Rvk.	Buxa Tiger Reserve (West)	27 nos.
92.	18.07.2018	Sajnekhali	Law training	WCCB & STR	DFD/STR, AFDS/STR, AFD/24 PGS (S) Divisions, NGOs- WPSI, WWF.
93.	29.01.2019	Bonnie Camp under Raidighi Camp	Tranquilization Training Programme for the field staff	24 Parganas (South)Division & STR	Field Staff of STR & DFO/24 Parganas (South)Division.
94.	23 rd & 24 th February, 2019	Conference Hall, MIC, Sajnekhali, STR.	2 days legal workshop & Training programme on Wildlife (Protection) Act, 1972 & related section	STR	Staff of STR, & DFO, 24 Parganas (South & North).
95.	6 th & 7 th March, 2019	Howrah Zilla School	2 days capacity Building Programme for forest & Police staff on intelligence collection, investigation & Handling of Wildlife Cases	APCCF & Director, SBR	Sri Anindya Guha Thakurta,AFD, Sri Shyamananda Chowdhury, FR & Sri Pravash Sarkar, DR/Fr.
96.	05.03.19 to 07.03.19	At North Bengal. different place	Study tour of deptt. Staffs of STR	STR	Sri Deepak M. IFS, Sri Dhanajoy Nath, FR, Sri Sanjib Kr. Dey, DR/Fr. Sri Abhisekh Dey, DR/Fr. Sri Arjun Bairagi, FG, Sri Surajit Roy, FG, Sri Biswajit Dalapati, FG, Sri Samarendra Nath Ghosh, FG, Sri Bablu Das, ED, Sri Prasanta Mondal, BM & Sri Joytis Das, BS.
97.	14.03.2019	Bibhutibhusan WLS, Parmadan	Wildlife awareness & legal issues	24-Parganas (North) Division	16 nos.
98.	08.04.2018	Murti NIC	Legal Workshop	GWLD	26 Nos.
99.	28.07.2018	Aibheel T.G	Man- Aniaml Conflict	Khunia Squad	100 Nos.
100.	13.10.2018	Chusla T.G.	Man- Aniaml Conflict	Khunia Squad	58 Nos.
101.	28.10.2018	Mathachulka	Man- Aniaml Conflict	Khunia Squad	45 Nos.
102.	19.11.2018	Barmadhura	Man- Aniaml Conflict	Khunia Squad	34 Nos.
103.	23.01.2019	Murti NIC	Workshop on high Altitude Tiger Project	GWLD	30 Nos.
104.	05.02.2019	Murti NIC	Orientation Program –Rhodis	GWLD	61 Nos.
105.	19.01.2019	Murti NIC	Workshop on Standard operation procedure (SOPs)	GWLD	28 Nos.
106.	31.01.2019	Binnaguri Hindi High School	Wild animal protection	Wildlife Squad-III, Binnaguri Range	102 Nos.
107.	02.02.2019	Banarhat High School	Wild animal protection	Wildlife Squad-III, Binnaguri Range	64 Nos.

108.	29.04.2018	NIC, Madarihat	Awareness	Green Rhino with Forest	47
109.	24.05.2018	NIC, Madarihat	Guide Training	AWLW & Others Officer	36
110.	31.05.2018	NIC, Madarihat	Man Animal Conflict	AWLW & Others Officer	101
111.	08.06.2018	NIC, Madarihat	Protection of Wild Elephant	Rail Dept., BTR and JPWLD Higher Officers	29
112.	18.08.2018	NIC, Madarihat	PMP Meeting	DFO, AWLW & Others Officer	33
113.	23.09.2018	NIC, Madarihat	F.G's Training for management	AWLW & Others Officer	31
114.	06.12.2018	NIC, Madarihat	SHG meeting for management	AWLW & Others Higher Officer	17
115.	11.12.2018	NIC, Madarihat	FR and F.G Training for management(05 Days)	AWLW & Others Higher Officer	46
116.	20.12.2018	NIC, Madarihat	Leopard Depredation	AWLW, T.G Members and local Representative members	57
117.	31.12.2018	NIC, Madarihat	Banabandhav Utsav	DFO, AWLW & Others Officer	29
118.	26.01.2019	NIC, Madarihat	Leopard Depredation	AWLW & Others Officer	28
119.	14.02.2019	NIC, Madarihat	Rhino Census	DFO, AWLW & Other Higher Officers	69
120.	07.03.2019 & 08.03.2019	Chilapata Range Office	Mahut & Patawala training for Captive Elephant	RO/CP	10Nos. elephants & 20 nos. Mahut & Patawala.
121.	19.03.2019	NIC, Madarihat	Anti poaching duty for Holly Festival.	DFO, AWLW & Other Officers	26

Annexure-10
Honey collection in Sundarban Tiger Reserve and
24 Parganas (South) Division during 2018-19

STR	24-Pgns(S)
Total Honey Collected (Kg.)	Total Honey Collected (Kg.)
15000	13240

Annexure-11

Status of Forest Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Energized Fencing	JP, MLG, CP Block	Jaldapara Wildlife Division	16	2011-12 & 2012-13	Functional	Maint.in 2018-19
Energized Fencing	Malangi Beat Complex		0.5	2018-19	Functional	
Energized Solar Fencing	Peacock Avenue		3.5	2003	Functional	
Energized Solar Fencing	Hasimara Beat Boundary		3	2017	Functional	
Energized Solar Fencing	Siltorsa Beat Complex		400 Mtr.	2010	Functional	
Energized Solar Fencing	NWC Beat boundary		2	2017	Functional	
Energized Fencing	KB-1 Comptt, NKB Beat		2.5	2018	Functional	
Energizer Power Fencing	MB-1(B) & BD-4 Comptt.		5	2017-18	Functional	
Energized Fencing	BN-3 ,4, 5 & 6 Comptt.		9	2017-18	Functional	
Energized Fencing	BN-7 & BN-8 Comptt.		3	2017-18	Functional	
Energized Fencing	BN-8 Comptt. Plantation		778 Mtr.	2018-19	Functional	
Energized Fencing	BN-5 Comptt. Plantation		1557 Mtr.	2018-19	Functional	
Energized Fencing	Central Pilkhana, Hollong		1000 Mtr.		Functional	
Energized Fencing	Torsa-1, 2, 3 Compt.		27		Functional	
Energized fencing	Nayagram	Kharagpur Division	10.7	2015-16, 2016-17	Partly fenced	
Wove wire fencing	Bethuadahari	Nadia- Murshidabad Division	0.218	2018-19	Functional	
Chain Link fencing	Bibhutibhusan WLS	24 Paraganas (North) Division	3.5	2011-12	Functional	Repairing done during 2018-19
Energized fencing	Bengdubi Block, Central FV, JFMC, Bagdogra Range	Kurseong Division	1.3	2018	Functional	To protect the 2018 plantation
Energized fencing	SRD-7	Buxa Tiger Reserve (East)	4	2018	Functional	
Energized fencing	SRD-7		3.3	2019	Functional	
G.I. wire fencing	DH-3		8	2019	Functional	
Energized fencing	SB-2a (Balapara)		3.5	2013	Non functional	
Energized fencing	JNT-7b		3.3	2018-19	Functional	
Energized fencing	NLS-2		3	2019	Functional	
Energized fencing	KG-2		4	2012	Functional	
Energized fencing	SK-3		2	2019	Functional	
Energized fencing	Patlakhawa grass fodder plantation in Rhino project 2017-18	Coochbehar Division	6	2017-18	Functional	
Energized fencing	Patlakhawa grass fodder plantation in Rhino project 2018-19		7	2018-19	Functional	

Annexure-11

Status of Forest Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Nylon Net fencing	Raidighi, Ramganga, Matla	24-Parganas (South)	31.7	2018-19	Functional	
Chain Link fencing	Ballavpur WLS	Birbhum Division	4	1980	Functional	Needs repairing/ replacement
Energized fencing	Chamta F.V, Chamta, Sukna Range		2	2012	---	---
Energized fencing	Sukna to Rongdong		5	2015- 2016	Functional	Functional
Energized fencing	Sukna to Punding F.V.		2	-do-	Functional	Functional
Energized fencing	Punding F.V.		2	-do-	Functional	Functional
Energized fencing	Khairjhora F.V		3	-do-	---	---
Energized fencing	Mhananda Rly bridge to Gulma Beat		4	---	---	---
Energized fencing	Punding F.V. to Mahananda Rly bridge		2	---	---	---
Energized fencing	7th Mile compound are to Koilogodam, Gulma Beat.		4	2004	---	---
Energized fencing	7th mile.		0.59	-do-	---	---
Barbed wire fencing	Gorkhey F.V.		3	2018- 19	Functional	Functional
Solar Power fencing	Latpanchar Beat Premises	Darjeeling Wildlife Division	100 mt.	2018	Functional	Functional
Solar Power fencing	Hiley Khola Camp (Lower Ghoramara Block)		160 mt.	2019	Functional	Functional
Solar Power fencing	Nandi Watch Tower		120 mt.	2019	Functional	Functional
Barbed wire fencing	Pachim Block		500 mt.	2018	Functional	Functional
Barbed wire fencing	Nayabusty		1500 mt.	2018	Functional	Functional
Barbed wire fencing	Chattakpur Village		1500 mt.	2007	Functional	Functional
Barbed wire fencing	Pachim Village		1500 mt.	1999	Functional	Functional
Barbed wire fencing	Rambi F.V.		1500 mt.	2005	Functional	Functional
Barbed wire fencing	Reshep Village		800 mt.	2018	Functional	Functional
Energized fencing	Radhanagar, Patrasayer, Beliatore, Barjora, Gangajalghati Range	Bankura North Division	82	During 2013-14 to 2018-19	Functional	
Energized Fencing	Raimatang JFMC.	Buxa Tiger Reserve (West)	2.5	2018-19	Functional	Mitigate man-animal conflict.
Energized Fencing	Nimati, NMT-3		1110 mt.	2015-16	Functional	Grass plantation
Energized Fencing	Nimati, NMT-1A		420 mt.	2014-15	Functional	Rest House & cottage.
Energized Fencing	Nimati, NMT-4		280 mt.	2014-15	Functional	Beat compound
Energized Fencing	Raimatang, RTG-5		80 mt.	2014-15	Functional	30 th mile Watch tower.
Energized Fencing	South Rvk., SRVK-15		410 mt.	2014-15	Functional	Rescue centre.

Annexure-11

Status of Forest Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Energized Fencing	South Panbari, Pan-10		954 mt.	2014-15	Functional	Bamboo plantation
Energized Fencing	North Panbari, Pan-3		920 mt.	2014-15	Functional	Grass
Energized fencing	JK-688	Rupnarayan Division	10	2016-17 & 2017-18	Functional	
Energized fencing	Baghmundi	Purulia	3.5	2018-19	Functional	
Nylon Net fencing	NP(W) Range	Sundarban Tiger Reserve	22		Functional	Maintained daily as per net checking protocol
Nylon Net fencing	SWLS Range		38		Functional	
Nylon Net fencing	BHT Range		45		Functional	
Energized Fencing	Sipchu	Jalpaiguri Division	4	2018	Functional	
Energized Fencing	Sipchu		2	2019	Functional	
Energized Fencing	Panjhora		2.5	2019	Functional	
Energized Fencing	Kalikhola-Ghasmari		2.5	2018	Functional	
Energized Fencing	Khairkata		2.5	2018	Functional	
Energized Fencing	Kalikhola		2	2019	Functional	
Energized Fencing	Rethi F.V.		2.5	2018	Functional	
Energized Fencing	Kalapani F.V.		1.5	2018	Functional	
Energized Fencing	Dalmore West		4	2018	Functional	
Energized Fencing	Dalmore South		2.5	2019	Functional	
Energized Fencing	Dalmore South & North		2	2019	Functional	



Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Energized fencing	2018 Grass fodder at Tondur-2 & 3 comptt.	Gorumara Wildlife Division	13	2018	Functional	
Energized fencing	2018 Tree Fodder at BM-1 comptt		6.5	2018	Functional	
Energized fencing	2018 Grass Fodder at Kakorjhora -2 comptt		6.5	2018	Functional	
Energized fencing	Tondur Camp		1.5		Need to Repair	
Energized fencing	Murti Gorumara Tent complex		2.5		Need to Repair	
Energized fencing	Murti Forest village fencing		4.5	2017	Need to Repair	
Energized fencing	Chapramari Beat & FRH Complex		3		Functional	
Energized fencing	Chapramari Gate Barrack		1.5		Functional	
Energized fencing	Around the Range office compound		0.974	2015.16	Nonfunctional	Renovated in 2016
Net fencing	Around deer enclosure		0.58		Nonfunctional	Needs to be renovated
Energized fencing	Bichabhang Forest basti.		2	2002	Functional	Nil
Energized fencing	Sursuti Forest Basti.		2.5	2002	Non-Functional	Nil
Energized fencing	Kalipur Forest Village.		4	2003	Non-Functional	Nil
Energized fencing	Chatua Forest Village.		2.5	2003	Functional	Nil
Energized fencing	Budhuram Forest Village.		2.5	2006	Functional	Nil
Energized fencing	Kalipur Eco Village, Budhuram Beat		1	2005	Functional	Nil
Energized fencing	Medla camp to Medla watch tower		0.4	2004	Functional	Nil
Energized fencing	Medla-III (Grass Fod.Pltn'18)		1.6	2018	Functional	Nil
Energized fencing	Ramshai Extn.(Grass Fod.Pltn'18)		2.4	2018	Functional	Nil
Energized fencing	Medla camp to Bandh tower		1.2	2019	Functional	Nil
Energized fencing	Pillkhana & Beat Campus, Dhupjhora Beat		0.8	2009	Functional	Nil
Energized fencing	South Indong-I, Dhupjhora Beat		2.5	2007	Functional	Nil
Energized fencing	DHP-IB, Grass fodder pltn'18		2	2018	Functional	Nil
Energized fencing	DHP-IB, Grass fodder pltn'18		1.5	2018	Functional	Nil
Energized fencing	Pillkhana, Gorumara Beat		0.4	2010	Functional	Gorumara Pillkhana
Energized fencing	Pillkhana, Gorumara Beat		0.5	2010	Functional	Gorati Pillkhana
Energized fencing	Sambar tower, Gorumara Beat		0.2	2008	Functional	Nil
Energized fencing	Jal-IB, Grass fodder pltn'18		1	2018	Functional	Nil
Energized fencing	Jal-IB, Grass fodder pltn'18		4	2018	Functional	Nil

Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Buxa Tiger Reserve (East)	DH-2, U.Rampur-USF, SRD-2, Rydak, NB-2	State Plan	Misc. Plantation	Creation	70.00
	SRD-7	State Plan	Fodder Plantation	Creation	40.00
	Barobisha, Kartika	State Plan	DPN	Creation	20.00
	DH-2	CAMPA	Misc. Plantation	Creation	12.00
	SB-5, NB-1 & KTPF	State Plan	Misc. Plantation	Maintenance (1st year)	50.00
	DH-3, NRT-1, SB-5 & CRD-4	State Plan	Misc. Plantation	Maintenance (2nd year)	50.00
	DH-2, SRD-7, DH-3, MKT-2b, NRT-1	State Plan	Misc. Plantation	Maintenance (3rd year)	80.00
	DH-2, SRD-5&7, DH-3, NRT-1, SB-4	State Plan	Misc. Plantation	Maintenance (4th year)	50.00
	SRD-5, DH-3, NRT-1, SB-4, SB-5	State Plan	Misc. Plantation	Maintenance (5th year)	30.00
	MKT-4, MKT-3 & SRD-5	State Plan	Fodder Plantation	Maintenance (1st year)	40.00
	JNT-7, NRVK-9	State Plan	Fodder Plantation	Maintenance (2nd year)	15.00
	Total				457.00
Buxa Tiger Reserve (West)	East Damanpur/Damanpur/DPO-8	State Plan	Mixed Tree	Creation	10.00
	West Damanpur/ West Garam/Poro-3	State Plan	Mixed Tree	Creation	10.00
	West Damanpur/East Poro/Poro-5 comptt.	State Plan	Mixed Tree	Creation	15.00
	Nimati/West Nimati/NMT-1B	State Plan	Mixed Tree	Creation	20.00
	Hamiltongan/Bharnabari/ BNB-1B	State Plan	Mixed Tree	Creation	10.00
	Pana/Pana/Pana-3 comptt.	State Plan	Mixed Tree	Creation	10.00
	West Rvk./ Dima/ Dima-1	State Plan	Fodder	Creation	40.00
	East Damanpur/ Cheko/ Cheko-8 comptt.	State Plan	Mixed Tree	Advance work	10.00
	West Damanpur/ East Garam/DPO-9 comptt.	State Plan	Mixed Tree	Advance work	10.00
	West Damanpur/ West Garam/ Poro-3 comptt.	State Plan	Mixed Tree	Advance work	15.00
	Nimati/ West Nimati/ NMT-1A	State Plan	Mixed Tree	Advance work	15.00
	Total				165.00
Kalimpong Division	Neora Range, Saili Hat	CAMPA	Mixed Tree	Creation	2.00
	Jaldhaka Range, Khumani-2	CAMPA	Mixed Tree	Creation	2.00
	Pankhasari Range, Mairung-2	CAMPA	Mixed Tree	Creation	3.84
	Kalimpong Range, Sangser-1	CAMPA	Mixed Tree	Creation	1.387
	Kalimpong Range, Bhalukhop-6	CAMPA	Mixed Tree	Creation	1.712
	Total				10.939
Jalpaiguri Division	Diana	State Plan	Misc. Plantation	Creation	10.00
	Chalsa	State Plan	Misc. Plantation	Creation	15.00
	Moraghat	State Plan	Misc. Plantation	Creation	20.00
	Nathua	WBFBCEP	Misc. Plantation	Creation	10.00
	Banarhat	WBFBCEP	Misc. Plantation	Creation	10.00
	Diana	WBFBCEP	Misc. Plantation	Creation	40.00
	Moraghat	WBFBCEP	Misc. Plantation	Creation	15.00
	Dalgaon	WBFBCEP	Misc. Plantation	Creation	25.00
	Moraghat	WBFBCEP	Sal Plantation	Creation	20.00
	Total				165.00
Jalpaiguri Social Forestry Division	Sambalpur/ Alipurduar S.F. Range	State Plan	Mixed Tree	Creation & Maintenance	25.00
	Karaibari/ Falakata S.F. Range	State Plan	Mixed Tree	Creation & Maintenance	11.00
	Marakata/ Barobisha S.F. Range	State Plan	Mixed Tree	Creation & Maintenance	15.00
	Satali/ Nilpara S.F. Range	State Plan	Mixed Tree	Creation & Maintenance	9.00
	Dubbari/ Maynaguri S.F. Range	State Plan	Mixed Tree	Creation & Maintenance	20.00
	Dubbari/ Maynaguri S.F. Range	WBFBCEP	Mixed Tree	Creation & Maintenance	30.00
	Total				110.00
Bankura (North) Division	Patrasayer	State Plan	Bamboo plantation	Creation	25.00
	Central S.F.Range	State Plan	Strip Plantation	Maintenance	30.00
	Central S.F.Range	State Plan	Strip Plantation	Advance Work	60.00
	Central S.F.Range	State Plan	Block Plantation	Creation	10.00

Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Siliguri Social Forestry Division	Central S.F.Range	State Plan	Block Plantation	Maintenance	22.00
	Central S.F.Range	WBFBCEP	Strip Plantation	Creation	5.00
	Central S.F.Range	WBFBCEP	Strip Plantation	Maintenance	46.50
	Central S.F.Range	State Plan	Strip Plantation	Advance Work	15.00
	Eastern Terai S.F.Range	State Plan	Strip Plantation	Creation	10.00
	Eastern Terai S.F.Range	State Plan	Strip Plantation	Maintenance	35.00
	Eastern Terai S.F.Range	State Plan	Block Plantation	Creation	5.00
	Eastern Terai S.F.Range	WBFBCEP	Strip Plantation	Creation	10.00
	Eastern Terai S.F.Range	WBFBCEP	Strip Plantation	Maintenance	74.00
	Eastern Terai S.F.Range	WBFBCEP	Strip Plantation	Advance Work	10.00
	Ghoshpukur S.F.Range	State Plan	Strip Plantation	Creation	30.00
	Ghoshpukur S.F.Range	State Plan	Strip Plantation	Maintenance	10.00
	Ghoshpukur S.F.Range	State Plan	Strip Plantation	Advance Work	15.00
	Ghoshpukur S.F.Range	State Plan	Block Plantation	Creation	5.00
	Ghoshpukur S.F.Range	WBFBCEP	Strip Plantation	Creation	10.00
	Ghoshpukur S.F.Range	WBFBCEP	Strip Plantation	Maintenance	16.00
	Ghoshpukur S.F.Range	WBFBCEP	Strip Plantation	Advance Work	10.00
	Mal S.F.Range	State Plan	Strip Plantation	Creation	30.00
	Mal S.F.Range	State Plan	Strip Plantation	Maintenance	10.00
	Mal S.F.Range	State Plan	Strip Plantation	Advance Work	35.00
	Mal S.F.Range	WBFBCEP	Strip Plantation	Maintenance	40.00
	Gairkata S.F.Range	State Plan	Strip Plantation	Creation	10.00
	Gairkata S.F.Range	State Plan	Strip Plantation	Maintenance	26.00
	Gairkata S.F.Range	State Plan	Block Plantation	Maintenance	25.00
	Gairkata S.F.Range	State Plan	Block Plantation	Advance Work	10.00
	Gairkata S.F.Range	WBFBCEP	Strip Plantation	Maintenance	8.00
	Total				622.50
Darjeeling Forest Division	Chataidhura Beat	FDA		Creation	5.00
	Geil Beat	FDA		Creation	15.19
	Peshok Beat	FDA		Creation	0.64
	Manebhanjang Beat	FDA		Creation	1.20
	S. Rimbick Beat	FDA		Creation	10.00
	Ramam Beat	FDA		Creation	70.00
	Total				102.03
Coochbehar Division	Patlakhawa	State Plan	Grass Fodder Plantation	Creation	10.00
	Patlakhawa	State Plan	Grass Fodder Plantation	Maintenance	60.00
	Total				70.00
Birbhum Division	Bolpur	State Plan	Fodder	Creation	4.00
Kangsabati South Division	Sirka Mouza, Pargora Beat of Bandwan-I Range	State Plan	Bamboo plantation	Creation	8.00
	Jamunagora Mouza, Bandwan Beat of Bandwan-I Range	State Plan	Bamboo plantation	Creation	8.00
	Khchia Mouza, Kuchia Beat of Bandwan-II Range	State Plan	Bamboo plantation	Creation	5.00
	Jagda Mouza, Kumari Beat of Manbazar-II Range	State Plan	Bamboo plantation	Creation	9.00
	Total				30.00
Purba Medinipur Division	Junput Beat of Contai Range		Coastal Shelter Belt	Creation	20.00
	Balughata Beat of Haldia Range		Coastal Shelter Belt	Creation	20.00
	Tamluk Beat of AFR Range		Coastal Shelter Belt	Creation	10.00
	Junput Beat of Contai Range		Mangrove	Creation	10.00
	Sankarpur Beat of Contai Range		Mangrove	Creation	10.00
	Khejuri Beat of Bajkul Range		Mangrove	Creation	25.00
	Haldia Beat of Haldia Range		Mangrove	Creation	10.00
	Balughata Beat of Haldia Range		Mangrove	Creation	6.00
	Egra Beat of Egra Range		Strip Plantation	Creation	20.00
	Total				131.00

Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Kurseong Division	Bamanpokhri Range	State Plan	Sal Plantation	Creation	2.00
	Tukriajhar Range	State Plan	Mixed Tree	Creation	13.00
	Tukriajhar Range	State Plan	DPN	Creation	25.00
	Kurseong Range	State Plan	DPN	Creation	25.00
	Tukriajhar Range	State Plan	Sal Plantation	Maintenance (1st year)	1.66
	Bamanpokhri Range	State Plan	Sal Plantation	Maintenance (1st year)	2.00
	Tukriajhar Range	State Plan	Sal Plantation	Maintenance (2nd year)	7.33
	Bamanpokhri Range	State Plan	Sal Plantation	Maintenance (2nd year)	6.47
	Tukriajhar Range	State Plan	Sal Plantation	Maintenance (3rd year)	9.66
	Bamanpokhri Range	State Plan	Sal Plantation	Maintenance (3rd year)	6.47
	Panighatta Range	State Plan	Sal Plantation	Maintenance (3rd year)	6.07
	Bagora Range	State Plan	Misc. Plantation	Maintenance (3rd year)	10.00
	Kurseong Range	State Plan	Misc. Plantation	Maintenance (3rd year)	5.00
	Panighatta Range	State Plan	Misc. Plantation	Maintenance (3rd year)	10.00
	Bagora Range	State Plan	Misc. Plantation	Maintenance (4th year)	25.00
	Sevoke Range	State Plan	Misc. Plantation	Maintenance (4th year)	10.00
	Bagdogra Range	State Plan	Misc. Plantation	Maintenance (4th year)	20.00
	Bamanpokhri Range	State Plan	Sal Plantation	Maintenance (4th year)	6.09
	Panighatta Range	State Plan	Sal Plantation	Maintenance (4th year)	5.06
	Tukriajhar Range	State Plan	Sal Plantation	Maintenance (4th year)	8.66
	Sevoke Range	State Plan	Sal Plantation	Maintenance (4th year)	17.69
	Tukriajhar Range	State Plan	Misc. Plantation	Maintenance (5th year)	7.60
	Bagdogra Range	State Plan	Misc. Plantation	Maintenance (5th year)	17.90
	Sevoke Range	State Plan	Misc. Plantation	Maintenance (5th year)	13.95
	Panighatta Range	State Plan	Misc. Plantation	Maintenance (5th year)	13.55
	Kurseong Range	State Plan	Misc. Plantation	Maintenance (5th year)	10.00
	Bagora Range	State Plan	Misc. Plantation	Maintenance (5th year)	20.00
	Sevoke Range	State Plan	Sal Plantation	Maintenance (5th year)	40.00
	Tukriajhar Range	State Plan	Sal Plantation	Maintenance (5th year)	2.45
	Bamanpokhri Range	State Plan	Sal Plantation	Maintenance (5th year)	4.45
	Bagdogra Range	State Plan	Sal Plantation	Maintenance (5th year)	3.10
	Bagdogra Range	State Plan	DPN	Advance Work	20.00
	Bamanpokhri Range	State Plan	DPN	Advance Work	20.00
	Sevoke Range	CAMPA	Misc. Plantation	Advance Work	6.00
	Bagora Range	WBFBP	Misc. Plantation	Creation	10.00
	Sevoke Range	WBFBP	Misc. Plantation	Creation	10.00
	Sevoke Range	WBFBP	Sal Plantation	Creation	10.00
	Bagdogra Range	WBFBP	Sal Plantation	Creation	10.00
	Bamanpokhri Range	WBFBP	Misc. Plantation	Creation	10.00
	Bagora Range	WBFBP	Misc. Plantation	Maintenance (1st year)	10.00
	Sevoke Range	WBFBP	Misc. Plantation	Maintenance (1st year)	10.00
	Sevoke Range	WBFBP	Sal Plantation	Maintenance (1st year)	10.00
	Panighatta Range	WBFBP	Misc. Plantation	Maintenance (1st year)	10.00
	Bagora Range	WBFBP	Misc. Plantation	Maintenance (2nd year)	20.00
	Sevoke Range	WBFBP	Sal Plantation	Maintenance (2nd year)	15.00
	Panighatta Range	WBFBP	Misc. Plantation	Maintenance (2nd year)	10.00
	Panighatta Range	WBFBP	Sal Plantation	Maintenance (2nd year)	15.00
	Bamanpokhri Range	WBFBP	Misc. Plantation	Maintenance (2nd year)	10.00
	Bagora Range	WBFBP	Misc. Plantation	Maintenance (3rd year)	30.00
	Sevoke Range	WBFBP	Misc. Plantation	Maintenance (3rd year)	20.00
	Total				611.16
24 Parganas (North) Division	Barasat S.F. Range (Barasat & Deganga Beat)	State Plan	Mixed Tree	Creation	10.00
	Barrackpore SF Range(Barrackpore-II Beat)	State Plan	Mixed Tree	Creation	7.50
	Barrackpore SF	State Plan	Mixed Tree	Maintenance (1st year)	40.00
	Basirhat SF Range(Swarupnagar Beat)	State Plan	Mixed Tree	Creation	12.50
	Rampura SF Range(Minakhan Beat)	State Plan	Mixed Tree	Creation	10.00
	Bongaon SF Range(Parmadan Beat)	State Plan	Mixed Tree	Creation	10.00
	Barrackpore SF Range	Namami Gange	Institutional Plantation	Creation	25.20
	Barrackpore SF Range	Namami Gange	Institutional Plantation	Maintenance (1st year)	20.00
	Barrackpore SF Range	Namami Gange	Ornamental Plantation	Creation	1.4515

Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
	Total				136.6515
Kharagpur Division	Khajra & Hijli Beat of Hijli Range	State Plan	QGS Plantation	Creation	17.73
	Keshiary & Narayangarh Beat of Belda Range	State Plan	QGS Plantation	Creation	20.00
	Kalaikunda Beat of Kalaikunda Range	State Plan	QGS Plantation	Creation	10.00
	Baligeria Beat of Keshorrekha Range	State Plan	QGS Plantation	Creation	10.00
	Barpat Beat of Chandabila Range	State Plan	QGS Plantation	Creation	10.00
	Panchkahania Beat of Nayagram Range	State Plan	QGS Plantation	Creation	10.00
	Kalaikunda Beat of Kalaikunda Range	State Plan	Sal Plantation	Creation	19.00
	Panchkahania Beat of Nayagram Range	State Plan	Sal Plantation	Creation	10.50
	Chandabila Beat of Chandabila Range	State Plan	Sal Plantation	Creation	10.50
	Hijli Range	State Plan	DPN	Creation	50.00
	Belda Range	State Plan	DPN	Creation	50.00
	Nayagram Range	State Plan	DPN	Creation	50.00
	Chandabila Range	State Plan	DPN	Creation	50.00
	Ghatal Range	State Plan	DPN	Creation	50.00
	Debra Range	State Plan	DPN	Creation	50.00
	Hijli Beat of Hijli Range	WBFBCP	Sal Plantation	Creation	13.50
	Nayagram Beat of Nayagram Range	WBFBCP	Sal Plantation	Creation	7.00
	Nayagram Beat of Nayagram Range	WBFBCP	QGS Plantation	Creation	10.00
	Baligeria Beat of Keshorrekha Range	WBFBCP	QGS Plantation	Creation	10.00
	Patina Beat of Chandabila Range	WBFBCP	QGS Plantation	Creation	20.00
	Sankrail Beat of Kalaikunda Range	WBFBCP	QGS Plantation	Creation	15.00
	Bardanga Beat of Kalaikunda Range	WBFBCP	QGS Plantation	Creation	28.00
	Total				521.23
Nadia-Murshidabad Division	Range-Berhampore (S), Beat-Domkal, Jitpur	State Plan	Misc(QGS)	Creation	10.00
	Range-Raghunathganj (S), Beat-Bagdabra, Chadar	State Plan	Misc(QGS)	Creation	10.00
	Range-Krishnagar, Beat-Mahatpur, Mahatpur	State Plan	Misc (QGS)	Creation	5.00
	Range-Krishnagar, Beat-Krishnagar, Rudrapur	State Plan	Misc (Strip)	Creation	5.00
	Range-Berhampore (S), Beat-Beldanga, Mirjapur, Dadpur	State Plan	Strip	Creation	15.00
	Range-Berhampore (S), Beat-Domkal, Jitpur	State Plan	Misc (QGS)	Advance	8.00
	Range-Raghunathganj, Beat-Bagdabra, Bahadurpur & Chadar	State Plan	Misc (QGS)	Advance	15.00
	Range-Berhampore (N), Beat-Nabagram, Bahala	State Plan	Misc (QGS)	Advance	10.00
	Range-Krishnagar, Beat-Krishnagar, Etaberia	State Plan	Misc (QGS)	Advance	7.00
	Range-Mobile & Law Cell, Krishnagar	State Plan	Strip Plantation	Maintenance of Seedling	15.00
	Range-Mobile & Law Cell, Krishnagar	State Plan	Strip Plantation	Advance	15.00
	Range- Krishnagar, Beat-Bethuadahari WLS,	23-2406-02-110-00-023-V-50-00	Fodder Plantation	Creation	1.00
	Range-Kandi, Beat-Kandi, Anukha I G.P.	WBFBCP	Strip, B1 Model	Creation	10.00
	Range-Tehatta, Beat-Karimpur, Karimpur G.P.	WBFBCP	Strip, B1 Model	Creation	5.00
	Range-Berhampore (S), Beat-Domkal, Raninagar II, Katlamari G.P.	WBFBCP	Strip, B1 Model	Creation	5.00
	Range & Beat-Krishnagar	Namami Gange	Urban Plantation	Advance cum creation	0.18
	Mayapur PHC, Mayapur Thakur Vakti Binod Institute				
	Range-Berhampore (S), Beat-Berhampore HQ, Nagrajole High School & Hatinagar High School	Namami Gange	Institutional Plantation	Advance cum creation	0.08
	Range-Kandi, Beat-Kandi, Bidyapur High School	Namami Gange	Institutional	Advance cum creation	0.01
	Range-Berhampore (N), Beat-Lalbagh, Balipara High School, Sarfia High Madrasa, Jiaganj Raja Vijay Singh Vidyapith, Barakhana Tinkari High School, Sekhulpur High School, Lalgola Open Correction Home	Namami Gange	Institutional Plantation	Advance cum creation	4.46
	Range & Beat-Raghunathganj, Raghunathganj	Namami Gange	Institutional	Advance cum creation	0.07



Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
	Range-Ranaghat, Beat-Ranaghat & Kalyani, Ranaghat Polytechnic College, NVF Training Centre	Namami Gange	Institutional Plantation	Advance cum creation	6.00
	Total				146.80
Jaldapara Wildlife Division	JPE Range, JP HQ BEAT, Jaldapara Block, JP-3 Compartment	SPAP	Fodder grass	Creation	25.00
	JPE Range, JP HQ BEAT, Jaldapara Block, JP-3 Compartment	CAMPA	Fodder grass	Creation	15.00
	JPE Range, JP HQ BEAT, Malangi Block, MLG-2 Compartment	JICA	Fodder grass	Creation	5.00
	JPE Range, Malangi BEAT, Malangi Block, MLG-2 Compartment	SPAP	Fodder grass	Creation	35.00
	JPE Range, Sissamara Beat, Chilapata Block, CP-2 Compartment	JICA	Fodder grass	Creation	15.00
	JPE Range, Sissamara Beat, Chilapata Block, CP-3B Compartment	SPAP	Fodder grass	Creation	30.00
	JPN Range, Hasimara Beat, HM-3 Compartment	JICA	Fodder	Creation	10.00
	JPN Range, Siltorsha Beat, JP-1 Compartment	CAMPA	Fodder	Creation	10.00
	JPN Range, Fifty Feet Beat	SPAP	Fodder	Creation	30.00
	JPN Range, Siltorsha Beat, JP-1 Compartment	SPAP	Fodder	Creation	10.00
	Madarihat Range, North Khairbari Beat, KB-1 Compartment	JICA	Misc Plant.	Creation	12.22
	Madarihat Range, North Khairbari Beat, KB-1 Compartment	JICA	Misc Plant.	Creation	1.14
	Madarihat Range, North Khairbari Beat, KB-1 Compartment	JICA	Misc Plant.	Creation	9.50
	Madarihat Range, North Khairbari Beat, KB-2 Compartment	JICA	Misc Plant.	Creation	3.14
	Madarihat Range, North Khairbari Beat, KB-2 Compartment	JICA	Misc Plant.	Creation	10.42
	Madarihat Range, South Khairbari Beat, KB-2 Compartment		Misc Plant.	Creation	37.00
	Madarihat Range, South Khairbari Beat, KB-2 Compartment	State Plan	Misc Plant.	Creation	26.00
	Madarihat Range, South Khairbari Beat, KB-3 Compartment	State Plan	Misc Plant.	Creation	2.00
	Madarihat Range, North Khairbari Beat, KB-1 Compartment	State Plan	Misc Plant.	Creation	1.00
	JPS Range, SK Beat, SK-3 & 4 Compt.	State Plan	Tree Fodder	Creation	5.00
	JPS Range, SK Beat, SK-3 Compt.	CAMPA	Grass Fodder	Creation	5.00
	JPS Range, SK Beat, SK-3 Compt.	State Plan	Misc. Tree	2016 Maintenance	20.00
	JPS Range, SK Beat, SK-1 Compt.	State Plan	Misc. Tree	2017 Maintenance	10.00
	JPS Range, SK Beat,	State Plan	Grass Fodder	Advance Nursery Work	5.00
	JPS Range, SK Beat,	State Plan	Tree Fodder	Advance Nursery Work	5.00
	Kodalbasti Range, BD-1(B) Compt.	State Plan	Misc. Pltn.	Creation	14.00
	Kodalbasti Range, BD-4 Comptt.	State Plan	Misc. Pltn.	Creation	10.00
	Chilapata Range, BN-7 Comptt.	JICA	Misc. pltn.	Creation	10.00
	Chilapata Range, Bania Beat, BN-5 Comptt.	State Plan	Misc. pltn.	Creation	10.00
	Chilapata, Mendabari Beat, MB-1 Comptt.	State Plan	Misc. pltn.	Creation	10.00
	Torsa-2Compt.; Moiradanga Beat	JICA	Fodder	Creation	10.00
	Torsa-2Compt.; Bangdaki Beat	JICA	Fodder	Creation	10.00
	Torsa-1 Compt.; Hollong Beat	State Plan	Tree Fodder	Creation	5.00
	Torsa-1 Compt.; TEC Beat	State Plan	Fodder	Creation	10.00
	Torsa-2Compt.; TEC Beat	State Plan	Fodder	Creation	10.00
	Torsa-2Compt.; Kunjanagar Beat	State Plan	Fodder	Creation	15.00
	Torsa-1 Compt.; Hollong Beat	State Plan	Fodder	Creation	15.00
	Torsa-2Compt.; Bangdaki Beat	State Plan	Fodder	Creation	10.00
	JP-5 Compt., Hollong Beat	CAMPA	Fodder	Creation	20.00
	Total				496.42

Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Gorumara Wildlife Division	Gorumara North Range Khunia Beat, Tondou-II & III	State Plan	Grass Fodder	Creation	10.00
	Gorumara North Range, Khunia Beat, Tondou-II & III	State Plan	Grass Fodder	Creation	10.00
	Gorumara North Range, Chapramari Beat, Chapramari-II	State Plan	Tree Fodder	Creation	10.00
	Gorumara North Range, Murti Beat, Bhogolmardi-I	State Plan	Tree Fodder	Creation	10.00
	Gorumara North Range, Murti Beat, Kakorjhora-II	CAMPA	Grass Fodder	Creation	10.00
	Gorumara South Range, Gorumara Beat, Jal-IB	State Plan	Grass Fodder	Creation	40.00
	Gorumara South Range, Dhupjhora Beat, DHP-IB	State Plan	Grass Fodder	Creation	20.00
	Gorumara South Range, Budhuram Beat, Ramshai Extension	State Plan	Grass Fodder	Creation	12.00
	Gorumara South Range, Budhuram Beat, Medla-III	State Plan	Grass Fodder	Creation	8.00
	Gorumara South Range, Dhupjhora Beat, DHP-IB	State Plan	Grass Fodder	Creation	10.00
	Gorumara South Range, Budhuram Beat, Medla-III	State Plan	Grass Fodder	Creation	5.00
	Gorumara North Range, Murti Beat, BM-I	State Plan	Mixed Tree Fodder	Advance Work	10.00
	Gorumara North Range, Khunia Beat, Tondou-II	State Plan	Mixed Tree Fodder	Advance Work	10.00
	Gorumara North Range, Khunia Beat, Tondou-II	CAMPA	Grass Fodder	Advance Work	20.00
	Range – Gorumara North Range, Beat- Chapramari, Block/Comptt. – Chapramari-II	CAMPA	Mixed Tree Fodder	Advance Work	20.00
	Ramshai Extension, Budhuram Beat, Gorumara South Range	State Plan	Grass Fodder	Advance work	25.00
	Medla-III, Budhuram Beat, Gorumara South Range	State Plan	Grass Fodder	Advance work	5.00
	Jal-IB, Gorumara Beat, Gorumara South Range	State Plan	Grass Fodder	Advance work	50.00
	DHP-IB, Dhupjhora Beat, Gorumara South Range	State Plan	Grass Fodder	Advance work	20.00
	Barohati-III, Budhuram Beat, Gorumara South Range	CAMPA	Tree Fodder	Advance work	6.00
	DHP-IA, Gorumara Beat, Gorumara South Range	CAMPA	Tree Fodder	Advance work	2.00
	Bhagolmardi-III, Dhupjhora Beat, Gorumara South Range	CAMPA	Tree Fodder	Advance work	12.00
	DHP-IB, Dhupjhora Beat, Gorumara South Range	State Plan	Grass Fodder	Maintenance	20.00
	Jal-IB, Gorumara Beat, Gorumara Beat	State Plan	Grass Fodder	Maintenance	40.00
	DHP-IC, Gorumara Beat, Gorumara South Range	State Plan	Grass Fodder	Maintenance	30.00
	Medla-III, Budhuram Beat, Gorumara South Range	State Plan	Grass Fodder	Maintenance	20.00
	Jal-IB, Gorumara Beat, Gorumara South Range	State Plan	Grass Fodder	Maintenance	50.00
	Jal-IB, Gorumara Beat, Gorumara South Range	CSS/ GMR	Grass Fodder	Maintenance	30.00
	DHP-IB, Dhupjhora Beat, Gorumara South Range	CSS/ GMR	Grass Fodder	Maintenance	10.00
	Ramshai Extension, Budhuram Beat, Gorumara South Range	State Plan	Grass Fodder	Maintenance	10.00
	Ramshai Extension, Budhuram Beat, Gorumara South Range	State Plan	Grass Fodder	Maintenance	10.00
	S.Indong-I, Dhupjhora Beat, Gorumara South Range	CSS/ GMR	Grass Fodder	Maintenance	10.00
	Barohati-III, Budhuram Beat, Gorumara South Range	CSS/ GMR	Bamboo pltn	Maintenance	10.00
	Medla-III, Budhuram Beat, Gorumara South Range	CSS/ GMR	Dwarf Fodder	Maintenance	10.00
	Jal-IB, Gorumara Beat, Gorumara South Range	CSS/ GMR	Bamboo pltn	Maintenance	10.00
	GMR-II, Gorumara Beat, Gorumara South Range	CSS/ GMR	Tree Fodder	Maintenance	10.00
	Jal-IB, Gorumara Beat, Gorumara South Range	CSS/ GMR	Grass Fodder	Maintenance	10.00
	Total				605.00

Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Sundarban Tiger Reserve	N.P.(West) Range	State Plan	Mangrove	Creation	10.00
	N.P.(East) Range	State Plan	Mangrove	Creation	10.00
	N.P.(West) Range	State Plan	Mangrove	Maintenance (1st year)	6.00
	SWLS Range	State Plan	Mangrove	Maintenance (1st year)	4.00
	N.P.(West)Range	State Plan	Mangrove	Maintenance (2nd year)	5.00
	N.P. (East) Range	State Plan	Mangrove	Maintenance (2nd year)	3.00
	SWLS Range	State Plan	Mangrove	Maintenance (2nd year)	2.00
	Total				40.00
24-Parganas (South) Division	Matla, Namkhana, Raidighi, Baruipur, Bhagabatpur, Bakkhali, Diamond Harbour, Ramganga	State Plan	Non mangrove strip plantation	Maintenance (2nd year)	100.00
	Bhagabatpur, Diamond Harbour, Raidighi, Ramganga, Matla, Baruipur	State Plan	Non mangrove strip plantation	Creation	90.00
	Bhagabatpur, Diamond Harbour, Raidighi, Matla, Baruipur	State Plan	Raising seedlings (Strip plantation)	Creation	50.00
	Ramganga, Bhagabatpur, Namkhana, Raidighi, Matla, Bakkhali	State Plan	Mangrove Plantation	Maintenance (1st year)	400.00
	Matla, Namkhana, Raidighi, Bakkhali, Ramganga, Bhagabatpur	State Plan	Mangrove Plantation	Maintenance (2nd year)	362.00
	Matla, Namkhana, Raidighi, Bakkhali, Ramganga, Bhagabatpur	State Plan	Mangrove Plantation	Creation	386.00
	Raidighi, Ramganga, Matla, Baruipur, Diamond Harbour, Namkhana, Bakkhali	State Plan	Non mangrove strip plantation	Advance Work	90.00
	Namkhana, Ramganga, Matla, Bakkhali	State Plan	Mangrove Plantation	Advance Work	170.00
	Bhagabatpur, Raidighi, Ramganga, Bakkhali, Diamond Harbour, Namkhana	State Plan	DPN	Creation	200.00
	Total				1,848.00



Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2018-19

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Siliguri Social Forestry Division	Central S.F.Range	State Plan	Block Plantation	Maintenance	22.00
	Central S.F.Range	WBFBCEP	Strip Plantation	Creation	5.00
	Central S.F.Range	WBFBCEP	Strip Plantation	Maintenance	46.50
	Central S.F.Range	State Plan	Strip Plantation	Advance Work	15.00
	Eastern Terai S.F.Range	State Plan	Strip Plantation	Creation	10.00
	Eastern Terai S.F.Range	State Plan	Strip Plantation	Maintenance	35.00
	Eastern Terai S.F.Range	State Plan	Block Plantation	Creation	5.00
	Eastern Terai S.F.Range	WBFBCEP	Strip Plantation	Creation	10.00
	Eastern Terai S.F.Range	WBFBCEP	Strip Plantation	Maintenance	74.00
	Eastern Terai S.F.Range	WBFBCEP	Strip Plantation	Advance Work	10.00
	Ghoshpukur S.F.Range	State Plan	Strip Plantation	Creation	30.00
	Ghoshpukur S.F.Range	State Plan	Strip Plantation	Maintenance	10.00
	Ghoshpukur S.F.Range	State Plan	Strip Plantation	Advance Work	15.00
	Ghoshpukur S.F.Range	State Plan	Block Plantation	Creation	5.00
	Ghoshpukur S.F.Range	WBFBCEP	Strip Plantation	Creation	10.00
	Ghoshpukur S.F.Range	WBFBCEP	Strip Plantation	Maintenance	16.00
	Ghoshpukur S.F.Range	WBFBCEP	Strip Plantation	Advance Work	10.00
	Mal S.F.Range	State Plan	Strip Plantation	Creation	30.00
	Mal S.F.Range	State Plan	Strip Plantation	Maintenance	10.00
	Mal S.F.Range	State Plan	Strip Plantation	Advance Work	35.00
	Mal S.F.Range	WBFBCEP	Strip Plantation	Maintenance	40.00
	Gairkata S.F.Range	State Plan	Strip Plantation	Creation	10.00
	Gairkata S.F.Range	State Plan	Strip Plantation	Maintenance	26.00
	Gairkata S.F.Range	State Plan	Block Plantation	Maintenance	25.00
	Gairkata S.F.Range	State Plan	Block Plantation	Advance Work	10.00
	Gairkata S.F.Range	WBFBCEP	Strip Plantation	Maintenance	8.00
	Total				622.50
Darjeeling Forest Division	Chataidhura Beat	FDA		Creation	5.00
	Geil Beat	FDA		Creation	15.19
	Peshok Beat	FDA		Creation	0.64
	Manebhanjang Beat	FDA		Creation	1.20
	S. Rimbiok Beat	FDA		Creation	10.00
	Ramam Beat	FDA		Creation	70.00
	Total				102.03
Coochbehar Division	Patlakhawa	State Plan	Grass Fodder Plantation	Creation	10.00
	Patlakhawa	State Plan	Grass Fodder Plantation	Maintenance	60.00
	Total				70.00
Birbhum Division	Bolpur	State Plan	Fodder	Creation	4.00
Kangsabati South Division	Sirka Mouza, Pargora Beat of Bandwan-I Range	State Plan	Bamboo plantation	Creation	8.00
	Jamunagora Mouza, Bandwan Beat of Bandwan-I Range	State Plan	Bamboo plantation	Creation	8.00
	Khchia Mouza, Kuchia Beat of Bandwan-II Range	State Plan	Bamboo plantation	Creation	5.00
	Jagda Mouza, Kumari Beat of Manbazar-II Range	State Plan	Bamboo plantation	Creation	9.00
	Total				30.00
Purba Medinipur Division	Junput Beat of Contai Range		Coastal Shelter Belt	Creation	20.00
	Balughata Beat of Haldia Range		Coastal Shelter Belt	Creation	20.00
	Tamluk Beat of AFR Range		Coastal Shelter Belt	Creation	10.00
	Junput Beat of Contai Range		Mangrove	Creation	10.00
	Sankarpur Beat of Contai Range		Mangrove	Creation	10.00
	Khejuri Beat of Bajkul Range		Mangrove	Creation	25.00
	Haldia Beat of Haldia Range		Mangrove	Creation	10.00
	Balughata Beat of Haldia Range		Mangrove	Creation	6.00
	Egra Beat of Egra Range		Strip Plantation	Creation	20.00
	Total				131.00

Annexure-13

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

Annexure-14 Radio Collaring of Tiger in Sundarbans

Sl. No.	Date of Radio collaring	Tiger description	Place of Release
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	Ajmalmari-10, 24-Parganas (South) Division



Annexure-15

Ex-gratia payment made for wild animal (including elephant) depredation during last 5 years in West Bengal

(in Rs.)

Year	Person killed (No.)	Person injured (No.)	Comp paid for human life & injury	Live-stock killed/ injured (No.)	Comp paid for livestock killed	Hut damage (No.)	Comp paid for hut damage	Crop damage (Ha.)	Comp paid for crop damage	Total Comp
2014-15	109	213	12066877.00	1337	1205768.00	4366	8955829.00	8348.573	38706218.00	60934692.00
2015-16	131	151	24363940.00	598	658420.00	4003	10583968.00	5100.693	37194150.00	72800478.00
2016-17	102	189	15861366.00	157	295610.00	3314	11211955.00	4788.466	69399933.00	96768864.00
2017-18	73	185	15393199.00	423	680400.00	3516	11754626.00	4613.067	85280912.00	113109137.00
2018-19	104	159	23383114.00	514	1255300.00	3531	14923395.00	3771.142	50958700.00	90520509.00

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

(in Rs.)

Year	Person killed	Person injured	Comp paid for human death/injury	Crop damage (Ha.)	Comp paid for crop damage	Hut damage (No.)	Comp paid for hut damage	Total
2014-15	89	102	10541123.00	8340.039	38619738.00	4357	8934829.00	58095690.00
2015-16	112	95	22800220.00	5100.693	37194150.00	4003	10583968.00	70578338.00
2016-17	84	57	15234288.00	4788.466	69399933.00	3314	11211955.00	95846176.00
2017-18	66	98	14444229.00	4613.067	85280912.00	3516	11712019.00	111437160.00
2018-19	80	81	19413952.00	3771.142	50958700.00	3531	14923395.00	85296047.00

Payment of Ex-gratia Relief for *Wild Animal depredation (Elephant, Tiger, Leopard, Gaur etc.)* in West Bengal for the period 2018-19

Division	Person killed (No.)	Person injured (No.)	Comp paid for human life & injury	Livestock killed/ injury (No.)	Comp paid for livestock killed	Hut damage (No.)	Comp paid for hut damage	Crop damage (Ha.)	Comp paid for crop damage	Total Comp
Darjeeling WL Division	4	3	1015181.00	64	126000.00	42	159000.00	56.900	854819.00	2155000.00
Gorumara WL Division	11	68	6763714.00	4	11000.00	25	138000.00	22.880	306000.00	7218714.00
Jaldapara WL Division	7	21	1294823.00	163	449700.00	664	3156250.00	293.150	3840870.00	8741643.00
Buxa Tiger Reserve (W)	4	11	550000.00	21	49000.00	322	1057550.00	143.000	1231300.00	2887850.00
Buxa Tiger Reserve (E)	9	1	1500000.00	40	110000.00	101	308500.00	59.827	909500.00	2828000.00
Jalpaiguri Division	6	5	431300.00	0	58100.00	335	2106000.00	182.729	2701000.00	5296400.00
Kurseong Division	9	8	313500.00	15	37500.00	83	249000.00	158.700	2380500.00	2980500.00
Baikunthapur Division	1	0	250000.00	207	414000.00	440	1321500.00	100.967	1514500.00	3500000.00
Coochbehar Division	0	0	0.00	0	0.00	0	0.00	0.960	14400.00	14400.00
Rupnarayan Division	2	10	805108.00	0	0.00	76	304953.00	289.643	4344645.00	5454706.00
Kharagpur Division	11	4	2954296.00	0	0.00	237	1059224.00	489.672	7330480.00	11344000.00
Jhargram Division	8	9	2473100.00	0	0.00	138	911240.00	260.430	3807840.00	7192180.00
Bankura (North) Division	4	0	1002594.00	0	0.00	423	1295942.00	88.530	1342816.00	3641352.00
Bankura (South) Division	2	6	550000.00	0	0.00	7	27000.00	9.424	141360.00	718360.00
Burdwan Division	0	0	16498.00	0	0.00	0	0.00	0.000	0.00	16498.00
Purulia Division	1	4	0.00	0	0.00	282	866000.00	453.067	2814830.00	3680830.00
Panchet Division	0	0	0.00	0	0.00	11	0.00	37.700	565595.00	565595.00
Birbhum Division	1	0	250000.00	0	0.00	0	0.00	10.000	138746.00	388746.00
24-Parganas (South)	3	1	500000.00	0	0.00	0	0.00	0.000	0.00	500000.00
Sundarban Tiger Reserve	12	0	0.00	0	0.00	0	0.00	0.000	0.00	0.00
Medinipur Division	9	7	2700000.00	0	0.00	345	1963236.00	1112.050	16686539.00	21349775.00
Kangsabati (South) Division	0	1	13000.00	0	0.00	0	0.00	1.513	32960.00	45960.00
Total	104	159	23383114.00	514	1255300.00	3531	14923395.00	3771.142	50958700.00	90520509.00





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

Sri Ujjal Ghosh, IFS, Chief Conservator of Forests, Wildlife (North); Sri Subhankar Sengupta, IFS, Chief Conservator of Forests and Field Director, Buxa Tiger Reserve; Sri Nilanjan Mallick, IFS Chief Conservator of Forests, Finance and Sri Dr. Sudhir Chandra Das, IFS, Chief Conservator of Forests and Field Director, Sundarban Tiger Reserve; Miss Nisha Goswami, IFS, Divisional Forest Officer, Gorumara Wildlife Division; Sri Kalyan Rai, IFS, Deputy Field Director, Buxa Tiger Reserve (West); Sri Harish, IFS, Deputy Field Director, Buxa Tiger Reserve (East); Sri Sandeep Berwal, IFS, Divisional Forest Officer, Medinipur Division; Sri Basava Raj Holleyachhi, IFS, Divisional Forest Officer, Jhargram Division; Sri Nilratan Panda, WBFS, Divisional Forest Officer, Panchet Division; Sri Diparna Kumar Dutta, WBFS, Divisional Forest Officer, Raiganj Division; Sri Somnath Chattopadhyay, WBFS, AWLW, Wildlife (Headquarters).



WILDLIFE WING

WILDLIFE (HQs), DIRECTORATE OF FORESTS, WEST BENGAL
Biksh Bhawan, North Block, 3rd Floor
Salt Lake City, Kolkata - 700 091