



ANNUAL REPORT 2015 - 2016



WILDLIFE WING, DIRECTORATE OF FORESTS
GOVERNMENT OF WEST BENGAL





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Chapter-1

Introduction to the State





1.01 Introduction to the State :

The State of West Bengal extends in the North from Himalayan Ranges to the Bay of Bengal in the south. The State is lying between 21°20'N to 27°32'N Latitude and 85°50'E to 89°52'E Longitude covering a geographical area of 88,752 sq.km. The State shares International Boundary with Nepal, Bhutan and Bangladesh. The total recorded forest land in the State is 11879 sq.km, of which 7054 sq. km. is Reserved Forest, 3772 sq. km. is Protected Forest and 1053 sq. km. is Unclassed State Forest, thus constituting 13.38% of the geographical area of the State. Darjeeling district having 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 bewildering 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 homes 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 and 1 (One) Biosphere Reserve in the State. Wildlife in these Protected Areas include the Royal Bengal Tiger, Indian Rhinoceros, Indian Elephant, Spotted Deer, Bison, 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 Government of India in 1989 and it received the recognition of UNESCO under its Man and Biosphere programme in November, 2001.

Sundarban National Park, forming the Core Area of Sundarban Tiger

Reserve, received the recognition as World Heritage Site by UNESCO in 1987.

The diversity of wildlife in the State of West Bengal is still a long way to be explored, as newer and newer species are being discovered; in the camera trapping exercise in South 24 Parganas Division two photographs of Melanistic Leopard Cat was found which has been never seen before in this area. On the other hand in Buxa Tiger Reserve photographs were captured of Clouded Leopard during Camera Trapping exercise, which has been very rare phenomenon.



1.02 Forest and Protected Areas of West Bengal

District	Geographical Area	Recorded Forest Area	% of Recorded Forest Area	Area of PA (NP/Sanc/ Tiger Reserve)
Bankura	6882	1482	21.53	-
Bardhaman	7024	277	3.94	0.145
Birbhum	4545	159	3.50	2.021
Kolkata	185	-	-	-
Cooch Behar	3387	57	1.68	-
Dakshin Dinajpur	2219	8	0.36	-
Darjeeling	3149	1204	38.23	404.6317
Howrah	1467	-	-	-
Hoogly	3149	3	0.10	-
Jalpaiguri	6227	1790	28.75	1097.0799
Malda	3733	20	0.54	-
Medinipur	14081	1709	12.14	-
Murshidabad	5324	8	0.15	-
Nadia	3927	13	0.30	0.6686
North 24-Parganas	4094	43	1.08	38.80
Purulia	6259	876	14.00	-
South 24-Parganas	9960	4220	41.54	3147.20
Uttar Dinajpur	3140	10	0.32	1.30
Total	88752	11879	18.96	4691.8462

* Area in Sq.Km.

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





Chapter-2

Wildlife Conservation in the state





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, 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 coordination between various enforcement agencies like BSF, Railway Police, Customs, Directorate of Revenue Intelligence, Police etc. is maintained. The Wildlife Wing is actively liasoning with the WCCB office as an integral part of the controlling wildlife crime.



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 basis. Regular maintenance of fire lines are given priority to control ground fire. Grassland Management is one of the major activities in the Terai and Dooars Forests. 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 2015-16 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 alternative livelihood avenues, side by side with the community development of these fringe areas. Building of schools, roads, community centres, potable water sources, etc. alongside schemes



related to 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 the below-poverty line individuals into Self-Help Group for positive livelihood generation in these communities has been one of the major success 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 236 nos. of Joint Forest Management Committees have been formed in the fringe villages of National Parks and Sanctuaries with around **67,347 members** who are protecting flora and fauna of the State. The fringe area population around various PAs are now less dependent on the forest resources to earn their livelihood as 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 forest staff to apprehend poachers. This active involvement of local people will make the task of bio-diversity conservation more effective in the long term.



Urban Wildlife

2.02 National Parks & Sanctuaries in West Bengal

SI No.	Protected Area	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District	Ecologically Important species
	National Parks:					
1.	Singalila N.P.	78.60	9057-For dt. 2.12.92	2C	Darjeeling	Red Panda (<i>Ailurus fulgens</i>), Clouded Leopard (<i>Neofelis nebulosa</i>), Kalij Pheasant (<i>Lophura leucomelanos</i>), Himalayan Black Bear (<i>Ursus thibetanus laniger</i>)
2.	Neora Valley N.P.	159.8917	103-FR/O/11M-91/12 dt. 11.01.13	2C	Darjeeling	Clouded Leopard (<i>Neofelis nebulosa</i>), Serow (<i>Capricornis thar</i>), Gaur (<i>Bos gaurus</i>), Himalayan Black Bear (<i>Ursus thibetanus laniger</i>)
3.	Buxa N.P.	117.10	3403-For dt. 5.12.97	7B	Alipurduar	Tiger (<i>Panthera tigris tigris</i>), Leopard (<i>Panthera pardus fusca</i>), Elephant (<i>Elephas maximus</i>)
4.	Gorumara N.P.	79.45	1-For dt. 1.1.98	7B	Jalpaiguri	Rhino (<i>Rhinoceros unicornis</i>), Leopard (<i>Panthera pardus fusca</i>), Elephant (<i>Elephas maximus</i>)
5.	Sundarban N.P.	1330.10	2867-For dt. 4.5.84	8B	South-24 Parganas	Tiger (<i>Panthera tigris tigris</i>), Estuarine Crocodile (<i>Crocodylus porosus</i>), Horse-shoe Crab (<i>Limulus rotundicanda</i>), Mangrove plants like <i>Nipa fruticans</i> , <i>Avicennia</i> spp., <i>Ceriops</i> spp., <i>Excoecaria agalocha</i> etc.
6.	Jaldapara N.P.	216.34	975-For dt. 27.4.12	7B	Alipurduar	Rhino (<i>Rhinoceros unicornis</i>), Gaur (<i>Bos gaurus</i>), Elephant (<i>Elephas maximus</i>)
	Total	1981.4817				
	Sanctuaries:					
1.	Jorepokhri Salamander W.L.S.	0.04	1107-For dt. 11.03.85	2C	Darjeeling	Himalayan Salamander (<i>Tylototriton verrucosus</i>)

SI No.	Protected Area	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District	Ecologically Important species
2.	Senchal W.L.S.	38.88	2773-For dt. 19.8.98	2C	Darjeeling	Serow (<i>Capricornis thar</i>), Goral (<i>Naemorhaedus goral</i>), Barking Deer (<i>Muntiacus muntjac</i>), Himalayan Black Bear (<i>Ursus thibetanus laniger</i>)
3.	Chapramari W.L.S.	9.60	2774-For dt. 19.8.98	7B	Jalpaiguri	Elephant (<i>Elephas maximus</i>), Gaur (<i>Bos gaurus</i>)
4.	Mahananda W.L.S.	158.04	2775-For dt. 19.8.98	7B	Darjeeling & partly at Jalpaiguri	Serow (<i>Capricornis thar</i>), Himalayan Black Bear (<i>Ursus thibetanus laniger</i>), Tiger (<i>Panthera tigris tigris</i>), Leopard (<i>Panthera pardus fusca</i>)
5.	Raiganj W.L.S.	1.30	1901-For dt. 11.4.85	7B	North Dinajpur	Asian Open Bill Stork (<i>Anastomus oscitans</i>)
6.	Bethuadahari W.L.S.	0.6686	2772-For dt. 19.8.98	7B	Nadia	Spotted Deer (<i>Axis axis</i>), Jackal (<i>Canis lupus</i>), Common Langur (<i>Semnopithecus entellus</i>)
7.	Ballavpur W.L.S.	2.021	4655-For dt. 11.7.77	7B	Birbhum	Barking Deer (<i>Muntiacus muntjac</i>)
8.	Ramnabagan W.L.S.	0.145	4345-For dt. 30.9.81	7B	Bardhaman	Spotted Deer (<i>Axis axis</i>), Barking Deer (<i>Muntiacus muntjac</i>), Common Langur (<i>Semnopithecus entellus</i>)
9.	Bibhutibhusan W.L.S.	0.64	2776-For dt. 19.8.98	8B	North-24 Parganas	Spotted Deer (<i>Axis axis</i>), Rhesus Monkey (<i>Macaca mulatta</i>)
10.	Chintamani Kar Bird Sanctuary (old Narendrapur W.L.S.)	0.07	4300-For dt. 21.10.05	8B	South-24 Parganas	Large-billed Reed Warbler (<i>Acrocephalus orinus</i>), various birds, Civet Cat (<i>Viverricula indica</i>), Water Monitor Lizard (<i>Varanus salvator</i>), Jackal (<i>Canis lupus</i>), Mongoose (<i>Herpestes edwardsii</i>)
11.	Sajnakhali W.L.S.	362.40	5396-For dt. 24.6.76	8B	South-24 Parganas	Tiger (<i>Panthera tigris tigris</i>), Estuarine Crocodile (<i>Crocodylus porosus</i>), Horse-shoe Crab (<i>Limulus rotundicanda</i>), Mangrove plants like <i>Nipa fruticans</i> , <i>Avicennia</i> spp., <i>Ceriops</i> spp., <i>Excoecaria agalocha</i> , etc.

SI No.	Protected Area	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District	Ecologically Important species
12.	Haliday Island W.L.S.	5.95	5388-For dt. 24.6.76	8B	South-24 Parganas	Rhesus Monkeys (<i>Macaca mulatta</i>), Spotted Deer (<i>Axis axis</i>), Wild Pig (<i>Sus scrofa</i>)
13.	Lothian Island W.L.S.	38.00	2771-For dt. 19.8.98	8B	South-24 Parganas	Spotted Deer (<i>Axis axis</i>), Wild Pig (<i>Sus scrofa</i>), Estuarine Crocodile (<i>Crocodylus porosus</i>), Rhesus Monkeys (<i>Macaca mulatta</i>)
14.	Buxa W.L.S.	314.52	316-For dt. 24.1.86 ; 7588-For dt. 6.10.90 and 12-For dt. 1.1.91	7B	Alipurduar	Tiger (<i>Panthera tigris tigris</i>), Leopard (<i>Panthera pardus fusca</i>), Elephant (<i>Elephas maximus</i>)
15.	West Sundarban W.L.S.	556.45	1828-For dt. 11.9.13	8B	South-24 Parganas	Tiger (<i>Panthera tigris tigris</i>), Estuarine Crocodile (<i>Crocodylus porosus</i>), Horse-shoe Crab (<i>Limulus rotundicanda</i>), Mangrove plants like <i>Nipa fruticans</i> , <i>Avicennia</i> spp., <i>Ceriops</i> spp., <i>Excoecaria agalocha</i> , etc.
	Total	1488.7246				

2.03 Tiger Reserves in West Bengal

SI No.	Tiger Reserve:	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District	Ecologically Important species
1.	Buxa Tiger Reserve Core Area Buffer Area Total	390.5813 370.2886 760.8699	3051-For dt. 06.08.09 3050-For dt. 06.08.09	7B	Alipurduar	Tiger (<i>Panthera tigris tigris</i>), Leopard (<i>Panthera pardus fusca</i>), Elephant (<i>Elephas maximus</i>)
2.	Sundarban Tiger Reserve Core Area Buffer Area Total	1699.62 885.27 2584.89	6028-For dt. 18.12.07 615-For dt. 17.02.09	8B	South-24 Parganas & North-24 Parganas	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</i> spp., <i>Ceriops</i> spp., <i>Excoecaria agalocha</i> , etc.
* The total area includes NP and Sanctuary areas already mentioned.						
	Total:	3345.7599				

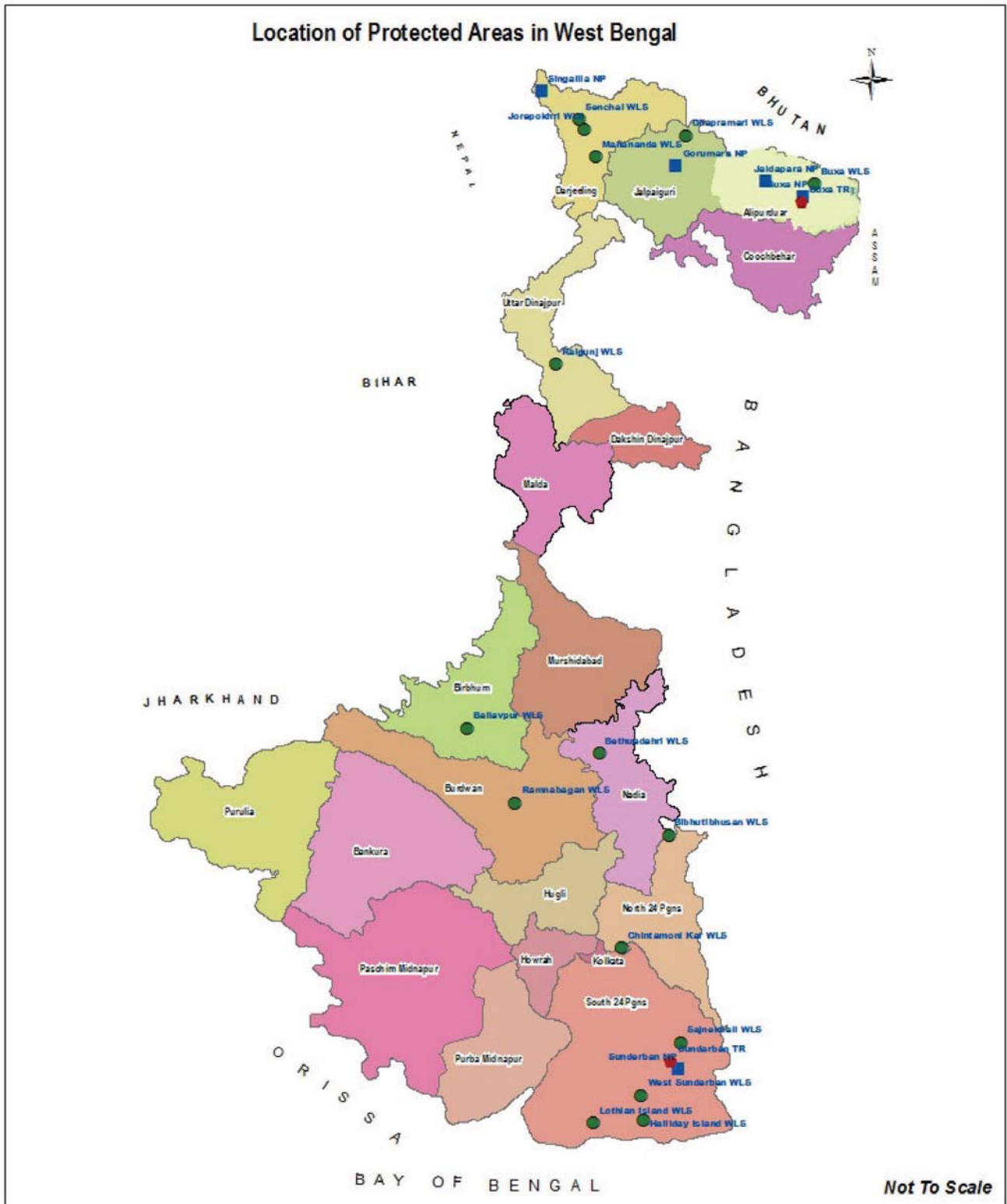
Biosphere Reserve in West Bengal

Biosphere Reserve:	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District	Ecologically Important species
Sundarban Biosphere (including STR, Sajnekhali, 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</i> spp., <i>Ceriops</i> spp., <i>Excoecaria agalocha</i> , etc.
Total	9630				

2.04 Elephant Reserves in West Bengal

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

2.05 Location of Protected Areas in West Bengal



2.06 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)	2012-13 to 2016-17	Tiger Conservation Plan approved by NTCA
2	Buxa Tiger Reserve (incl. Buxa NP & Buxa WLS)	2013 to 2022	Tiger Conservation Plan Operational
3	Mayurjharna Elephant Reserve	2014-15 to 2018-19	Under consideration for approval
4	Gorumara National Park	2007-08 to 2017-18	Management Plan Operational
5	Singhalila National Park	2013-14 to 2022-23	Management Plan Operational
6	Neora Valley National Park	2011-12 to 2021-22	Management Plan Operational
7	Jaldapara National Park	2007-08 to 2016-17	Management Plan Operational
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	Bardhaman Zoological Park (formerly 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	2008-09 to 2017-18	Management Plan Operational
17	Lothian Island Wildlife Sanctuary	2008-09 to 2017-18	Management Plan Operational
18	Chintamani Kar Wildlife Sanctuary	2010-11 to 2014-15	Preparation of new Management Plan is under process
19	West Sundarban Wildlife Sanctuary	—	Under preparation



Chapter-3

Ex-Situ Conservation





Ex-Situ Conservation

3.01 Ex-Situ Conservation of threatened wildlife species:

The ex situ conservation is an integral part of wildlife management. Species reintroduction 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 Sundarban Tiger Reserve, some of the PAs of north Bengal and the forest areas of south Bengal have been successfully undertaken. More than **1700** Chitals 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



550 crocodiles in various creeks and rivers of Sundarbans to augment the population of this endangered species. After release of two Red Pandas in Singhalila National Park the Forest Department, (in association with Wildlife Institute of India and Zoological Survey of India) is now conducting the Red Panda Census based on DNA analysis of Red Panda in Neora Valley National Park and Singhalila National Park to assess the present status of Red Panda in the wild.

3.02 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.

Zoos in West Bengal

Government Zoos

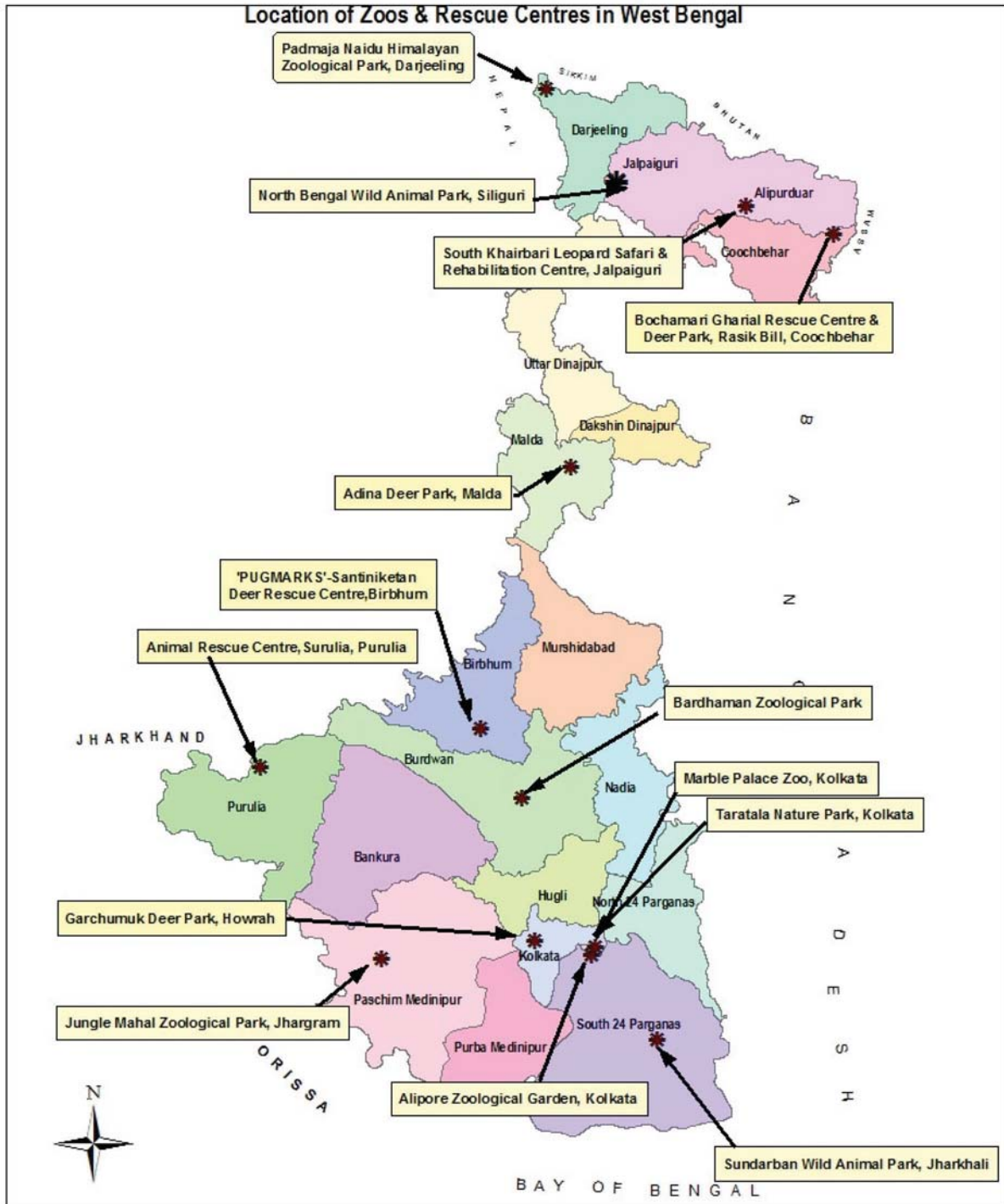
1. Adina Deer Park, Adina, Malda
2. Alipore Zoological Garden, Kolkata
3. Animal Rescue Centre, Surulia
4. Bardhaman Zoological Park, Bardhaman (formerly known as Ramnabagan Deer Park)
5. Bochamari Gharial Rescue Centre and Deer Park/ Rasik Beel
6. Garchumuk Deer Park, Garchumuk, Howrah
7. Junglemahal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



Private Zoos

1. Pugmarks (pfa) Santiniketan Rescue Centre
2. Marble Palace Zoo
3. Nature Park, Taratola Road, Kolkata

3.03 Location of Zoos and Rescue Centres in West Bengal



3.04 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 Zoo', upto 20.01.2018. (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) (A)/414/2016, dt.10.03.2016
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/ 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.
8.	Garchumuk Deer Park	Howrah Division	Recognized as 'Mini Zoo' upto 31.12.2015	F.No. 23-3/97-CZA (382) (M)/2828, dt.16.05.2013
9.	Pugmarks (pfa) Santiniketan Rescue Centre (Private)	Birbhum	Recognized as 'Rescue Centre' upto 31.12.2015	F.No.22-2/2005-CZA (494) (M)/1957, dt.31.12.2012
10.	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.
11.	Marble Palace Zoo (Private)	Kolkata	Recognized as 'Mini Zoo' upto 30.04.2015.	19-81/93-CZA(316)(M)/4622, dt. 09.04.2014.
12.	Junglemahal Zoological Park, Jhargram (Formerly known as Jhargram Deer Park & Mini Zoo)	Jhargram Division	Recognized upto 31.01.2017 (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.I) (M)/4101 dt. 07.01.2014
13.	Nature Park, Taratola Road, Kolkata (Private)	Kolkata	Recognized as 'Mini Zoo' upto 30.04.2015	F.No.22-54/2004-CZA(493) (M)/4621 dt. 09.04.2014
14.	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

Sl. No.	Name	Division / District	Status	CZA's letter no.
15.	Wild Animal Rescue & Transit Facility Centre, Saltlake, Kolkata	Kolkata	Does not require recognition from CZA as the Centre is used for Transit facility of wild animals	F.No. 22-52/2004-CZA(490) (M), dt.16.05.2008 & this office No. 1457/WL/2W-266/08 dt. 09.05.08

* Calcutta Snake Park – Recognition cancelled vide CZA's letter No. 19-59/93-CZA(314)(Vol.IV)(AK)/7904 dt. 19.10.2015.

** West Bengal Snake Park & Laboratory, Badu - Recognition cancelled vide CZA's letter No. 19-66/93-CZA(313)(Vol.I)(AK)/7772 dt. 15.09.2015.

*** Bengal Natural History Museum, Darjeeling displays specimens of Birds and Animals for public viewing. It is now under the jurisdiction of Padmaja Naidu Himalayan Zoological Park, Darjeeling.

3.05 Introduction to Zoos

South Khairbari Leopard Safari & Rehabilitation Centre

South Khairbari Tiger Rehabilitation Centre and Leopard Safari was previously a highly degraded forest with a legal status of Reserve Forest. Large tract of once wooded, got degraded, due to illicit felling, cattle grazing, forest fires and collections of other non timber forest produces. A beginning was made somewhere around 2002-2003 to develop the site as an Eco-Tourism spot. With involvement of local people, the Leopard Rescue Centre was established and opened on November 2003. Simultaneously, establishment of barrack, construction of Bridge with connecting path and entrance gate was undertaken. In 2005, a central facility for rescued tigers from various Circuses was planned and constructed. A number of circus animals were subsequently relocated and rehabilitated in the centre.

North Bengal Wild Animal Park

This was formerly Kunjanagar Eco - Park, a mini zoo, located in the Alipurduar district of West Bengal within Falakata Block under Alipurduar Sub-division. The relocation of Kunjanagar Eco-Park, Alipurduar to North Bengal Wild Animals Park, Siliguri was approved by the Central Zoo Authority vide F.No.22-64/2004-CZA(461) (AK)/7287, dt. 10.06.2015 to attract more visitors as a part of promoting eco-tourism.

Rasikbeel Mini Zoo

Being in close proximity of the Rasikbeel Wetland, the area was developed as eco-tourism spot and also

to cater to rescued animals. Rasikbeel Mini Zoo or Bochamari Gharial Rescue Centre & Deer Park is located in the Coochbehar district of West Bengal under Tufanganj Subdivision. The satellite centre of this Mini zoo to rehabilitate rescued Spotted Deer and Sambar, has been established at Kholta, Coochbehar. 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. of Central Zoo Authority, GOI.



Bardhaman Zoological Park,

Bardhaman (formerly known as Ramnabagan Deer Park)

Ramnabagan Mini Zoo was developed within the Ramnabagan Wild Life Sanctuary, a natural forest patch flourished during the feudal reign of Rajas and Maharajas of Bardhaman Taluk. After the promulgation of Estate Acquisition act, it was handed over to the Forest Department of West Bengal for management. The area had been declared as Reserved Forests vide Notification No. 2275-For. Dt. 07.06.1960. In the year 1978, the area had been converted to a Deer Park with the introduction of 6 nos. of deer. **The name Ramnabagan Mini Zoo has been changed to Bardhaman Zoological Park vide W.B. Govt. Notification No. 1153-For/O/11M-11/2015 dt. 03.06.15.**

Adina Deer Park

Malda district possesses great historical legacy as it was ruled by various dynasties and their grandees can be seen in the palatial structures of brick and stone. Amidst all these monotonous historical ruins, to give a glimpse of nature's conglomeration in the form of forest and Wildlife and to impart educational and also for a rewarding experience for the visitors who come to Malda resulted into the creation of the Adina Forest. Attempt was made during early 70s to introduce wild animals in



separate enclosures mainly to make the place attractive to tourists. Since then various developmental

works were taken up from time to time. The Deer Park is located in the Malda district under Gazole P.S. It is 22 Km. away from Malda town towards North, about 2.5 k.m from Adina Mosque.

Animal Rescue Centre, Surulia, Purulia

The Surulia Mini Zoo is situated on the out skirt of the Purulia town (05 kms) of West Bengal State. During the establishment of Rescue Centre-cum-deer Park in 1998, the main objective was to re-introduce the captive borne spotted deer in the rejuvenated forests of Purulia district. Seized animals and birds were kept from time to time along with injured animals which were rescued from different parts of South Bengal. With this intention, Surulia Mini Zoo came into being as a Rescue Centre-cum-Deer Park.

Garchumuk Deer Park

Garchumuk Deer Park in Uluberia, Howrah is a man made forest under the Howrah Social Forestry Division. The only Deer Park/Mini Zoo in Howrah District, was established on 31.01.1991. The zoo is spread over 4.00 ha. of land. It is 60 kms away by road from Howrah District headquarters and 15 kms from Uluberia Railway Station. The free living faunal species like Civet Cat, Common Langur, Owls, Parakeets, Cuckoos, Woodpeckers, Common Mayna and other birds live in the natural ambience with floral species like Akashmoni, Sirish, Arjun, Mango, Neem, Babla etc.

Pugmarks (pfa) Santiniketan Rescue Centre

This rescue centre was started in 1995, as an extension of the wildlife rescue centre of Ballavpur Wildlife Sanctuary at Santiniketan with the objective of rescue of orphan, injured and sick wild animals and treat them and release them back into the wild after recovery. Those animals which cannot be released into the wild are kept in the zoo under lifetime care. The rescued animals include animals rescued from the wild and seized animals. This Rescue Centre is uptill now the only full fledged Rescue Centre in Birbhum District having transit facility as well as short term and life time care facilities. The Rescue Centre is located approximately 2 kms from Bolpur Railway Station.

Taratata Nature Park

In 1950, 250 hectares of water area popularly known as Port Commissioner's Jheel was used by Kolkata Port Commissioners for dumping garbage. Modest effort of pisciculture in isolated pockets was initiated by an individual in 1956 obtaining license from the then Kolkata Port Commissioner. Ultimately in November, 1961, fishermen's cooperative society named "Mudialy Fishermen's Cooperative Society Ltd. was registered and it got the water area on license from the Kolkata Port Commissioner who retained the right to take



back any portion of the water area for filling or developing or any other purpose. Mudialy Fishermen's Cooperative Society Ltd management initiated the setting up of a Nature Park. In order to maintain the existing waterbody for migratory birds and rescue of sick or wounded wild animals for treatment in medical centre, the park was recognised as a Mini Zoo.

Marble Palace Zoo

Built by Raja Rajendro Mullick in 1835, the Marble Palace exhibits the art forms of Italy, the Netherlands, England and other European nations. The interiors of the palace-the floors, walls, and tabletops-are all made of marble. This palace set behind a large lawn has the sculptures of Jesus Christ, the Virgin Mary, Hindu Gods, the Buddha and Christopher Columbus. A large pool near the small granite bungalow has ducks, peacocks and ostriches. Located next to the palace is the Marble Palace Zoo, also established by Raja Rajendra Mullick. Arguably the oldest zoo in India, the Marble Palace Zoo, now primarily serves as an aviary, including peacocks, toucans, storks and cranes.



Padmaja Naidu Himalayan Zoological Park

It was formerly known as Himalayan Zoological Park and was established on 14th August, 1958 in Darjeeling as a joint venture of Govt. of India (Department of Science and Technology) and Govt. of West Bengal (Department of Education).

In January, 1972, the Park was converted into a registered Society under West Bengal Societies Registration Act, 1961 with an understanding that the maintenance cost of the zoo will be shared by the Center and the State Governments. The Society in May, 1993 was transferred to Department of Forests, Govt. of West Bengal. At the Govt. of India level the Zoological Park is under the Ministry of Environment and Forests. In 1975, Late Smt. Indira Gandhi



the then Prime Minister of India dedicated the Himalayan Zoological Park, Darjeeling in Memory of Late Smt. Padmaja Naidu, ex-governor of West Bengal. The Zoo was e-named as Padmaja Naidu Himalayan Zoological Park.

Junglemahal Zoological Park, Jhargram (formerly known as Jhargram Deer Park & Mini Zoo)

Jhargram Mini Zoo started as a Deer Park in the year 1980, within a patch of natural Sal forest. Initially two spotted deer and subsequently, more spotted deer were released. Animal rescued from different places of South Bengal were also kept in the deer park for rehabilitation. The area is located within the municipal limits of Jhargram town. The total area of the the zoo is 33.20 ha. It is 3 km from the Jhargram Railway Station and about 16 km from NH6 and 65 km from the district headquarter at Midnapore town.

The name of Jhargram Mini Zoo changed to Junglemahal Zoological Park vide W.B. Govt. Notification No. 1153-For/O/11M-11/2015 dt. 03.06.15.

Sundarban Wild Animals Park, Jharkhali (Jharkhali Satellite Zoo)

Kumari-Kangsabati Deer Park, also known as Banpukhuria Deer Park, was established in the year 1982 over an area of 30.65 hectares of fenced area adjoining to the Beat Office complex. **The relocation of**

Kumari Kangsabati Deer Park, Bankura to Sundarban Wild Animals Park, Jharkhali was approved by the Central Zoo Authority vide their F.No.19-224/93-CZA(322)(NS)/7298 dt. 17.06.2015.

Alipore Zoological Garden, Kolkata

The zoo's actual root was in the private menagerie of Arthur Wellesley, Governor of Bengal which was established in 1800 in his summer house at Barrackpore near Kolkata. The British community in Kolkata decided to upgrade this menagerie to a formal zoological garden. At last Sir Richard Temple, Lieutenant-Governor of Bengal formally proposed the formation of a zoo in 1873 and allotted the land for the zoo. On 1st January 1876 Edward VII, Prince of Wales formally inaugurated the



zoo and it was thrown open to the public on May 6th of the same year. The private menagerie of Carl Louis Schwendler (1838-1882) became the nucleus of the zoo consisting of Indian Antelope, Spotted Deer, Hog Deer, Sambar Deer, Zanzibar Ram etc. Slowly the zoo grew on the gifts from Indian and British nobility who had a fascination for wild and exotic animals.



Chapter-4

Estimation of Wild Animals





4 Estimation Of Wild Animals

Bengal Tiger :

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 Sundarbans, Sajnekhali forests in South Bengal.

Sundarbans (2010)	Buxa (2011)
64-90 during 2010 (as per report of Wildlife Institute of India, Dehradun's All India Tiger Estimation 2010)	20 during 2011 (as per Scat analysis through DNA profiling technique) by CCMB-Hyderabad and BTR authority)

Sundarbans (2012 & 2013)
<p>Tiger estimation by camera trapping In STR - 80 (minimum) during 2013 (conducted by WWF and Wildlife Institute of India) In 24-Parganas (South) Division - 22 (minimum) during 2012 (conducted by WWF)</p> <p>Total in Sundarbans – 102 (Minimum)</p>

Census Year	Location	Total number	Remarks
2014	Sundarban Tiger Reserve & 24-Parganas (South) Division	76 (62-96)	Estimation of Tiger, Co-predators & Prey as per procedure prescribed and conducted through NTCA in collaboration with WII and WWF during 2014
2014	Northern West Bengal	3	-do-



Radio Collaring of tiger in Sundarbans

Leopard :

The leopard shows remarkable adaptability to different environments but prefers the forest fringe where it can utilize tree 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.

Leopard Census:

Year	Gorumara	Buxa	Jaldapara	Mahananda	Other areas	Total
1984	14	8	7	12	41	82
1989	14	50	5	10	29	108
1992	ND	63	ND	ND	ND	3+
1993	2	ND	9	2	94	107+
2002	47	149	33	18	84	331
2004	43	Not done	28	26	67	164+
2012	ND	105 (BTR-West)	ND	ND	ND	105+

*ND = Not Done

Gaur :

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

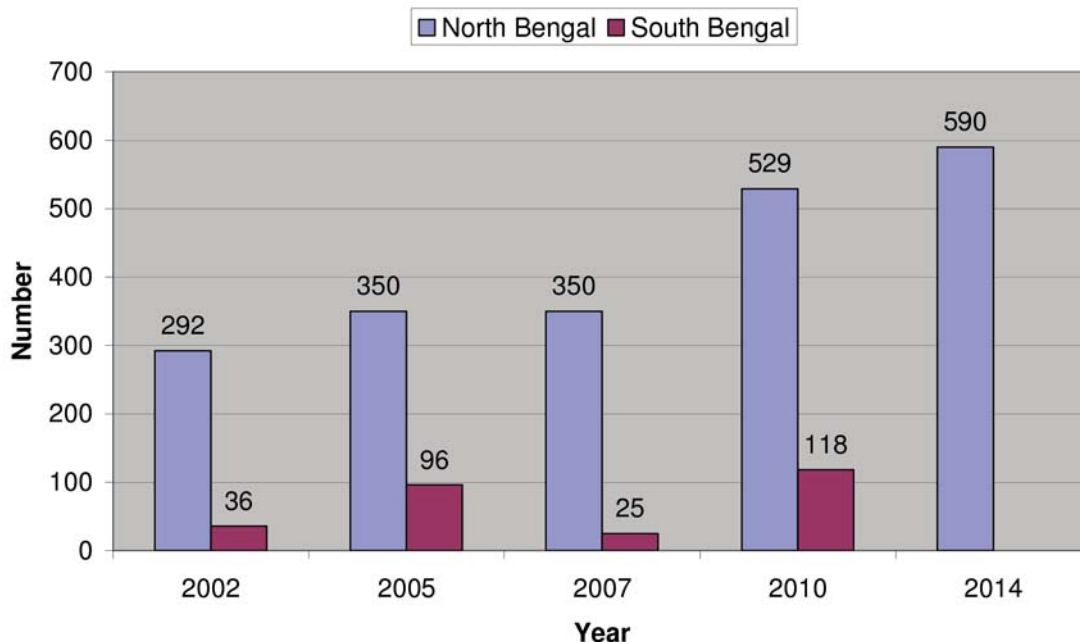
Year	Total Number
1989	240
1993	425
1997	550
1998	530-560
2002	1180-1284
2009-10	Not less than 901 (Gorumara NP & Chapramari WLS only)
2012-13	414 (BTR(W) only)
2013-14	782 (BTR(W) only)

Elephant :

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

Year	Total Number
1989	175
1993	186
1997	230-250
1998	230-250
2000	327
2002	328*
2005	North Bengal 300-350 & South Bengal 96
2007	North Bengal 300-350 & South Bengal 25 (excluding migratory population)
2010	North Bengal 529 & South Bengal 118 (including migratory population)
2014	North Bengal 590+ Census not done in South Bengal.

Elephant Population in North and South Bengal



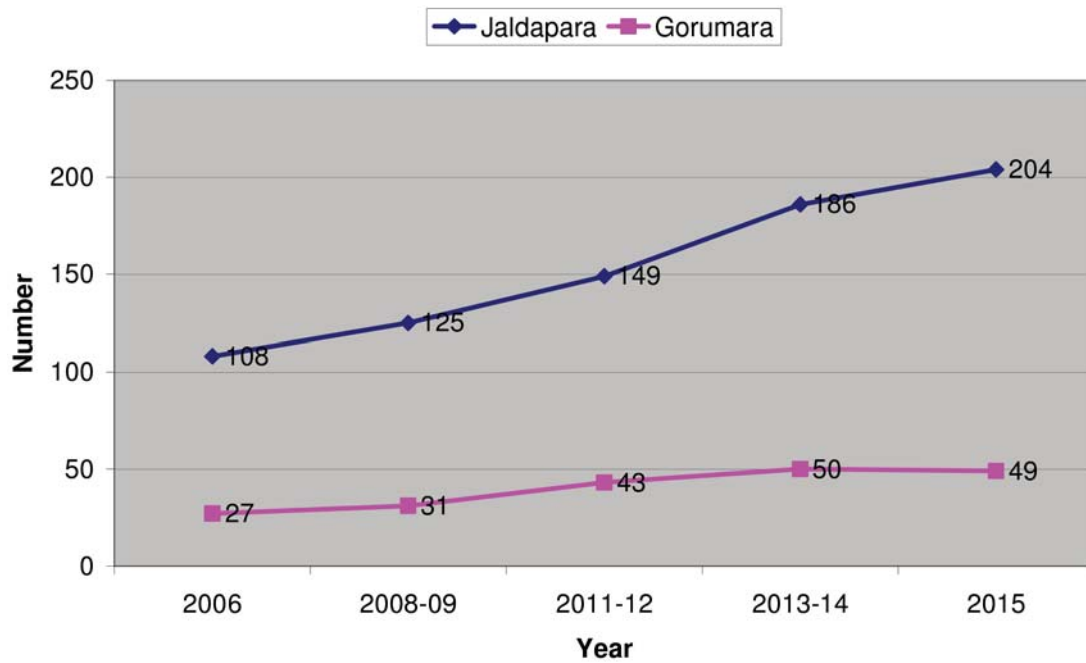
Rhinoceros :

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
1969	75	12	87
1974	21	6	27
1978	19	8	27
1986	14	8	22
1989	27	12	39
1993	33	12	45
1996	42	14	56
1997	44	14	58
1999	55	19	74
2000	54	19	73
2002	74	22	96
2004	96	25	121
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

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



Rhino Population (as per Census 2015)

Protected Area	Male	Female	Sex unidentified	Calf	Total
Jaldapara NP	68	78	11	47	204
Gorumara NP (including Chapramari WLS & adjoining areas of Gorumara & Chapramari)	22	17	2	8	49
Darjeeling Wildlife Division	2	0	0	0	2
Grand Total	92	95	13	55	255

Crocodile (salt water Crocodile)

STR & 24-Parganas (South) Division

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





Chapter-5

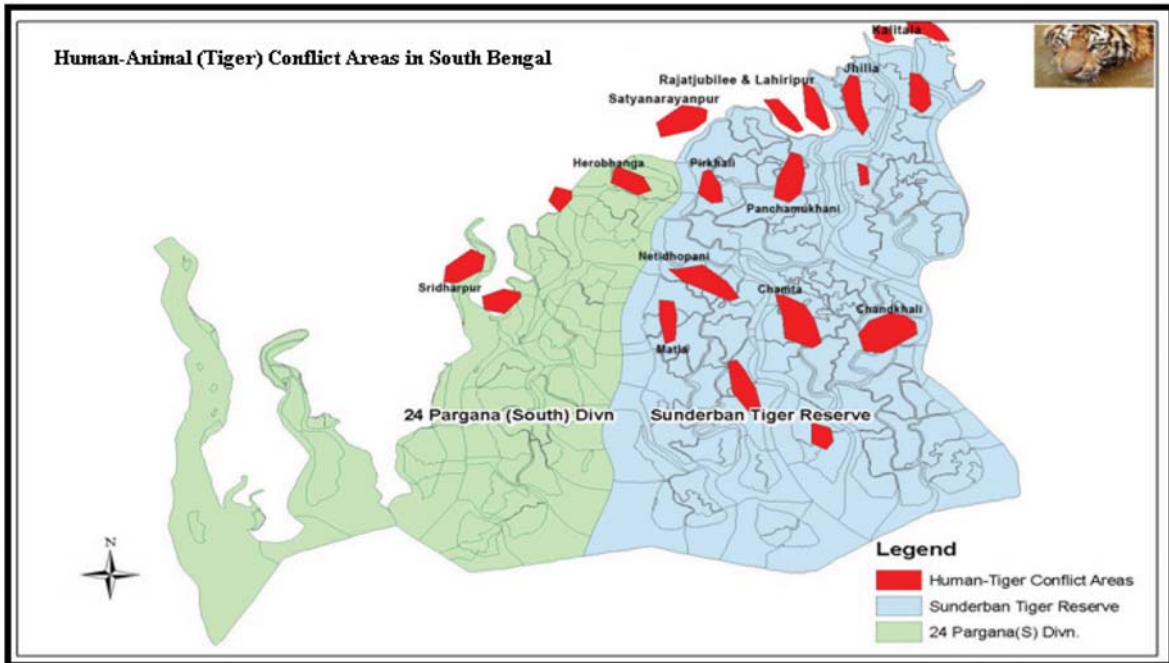
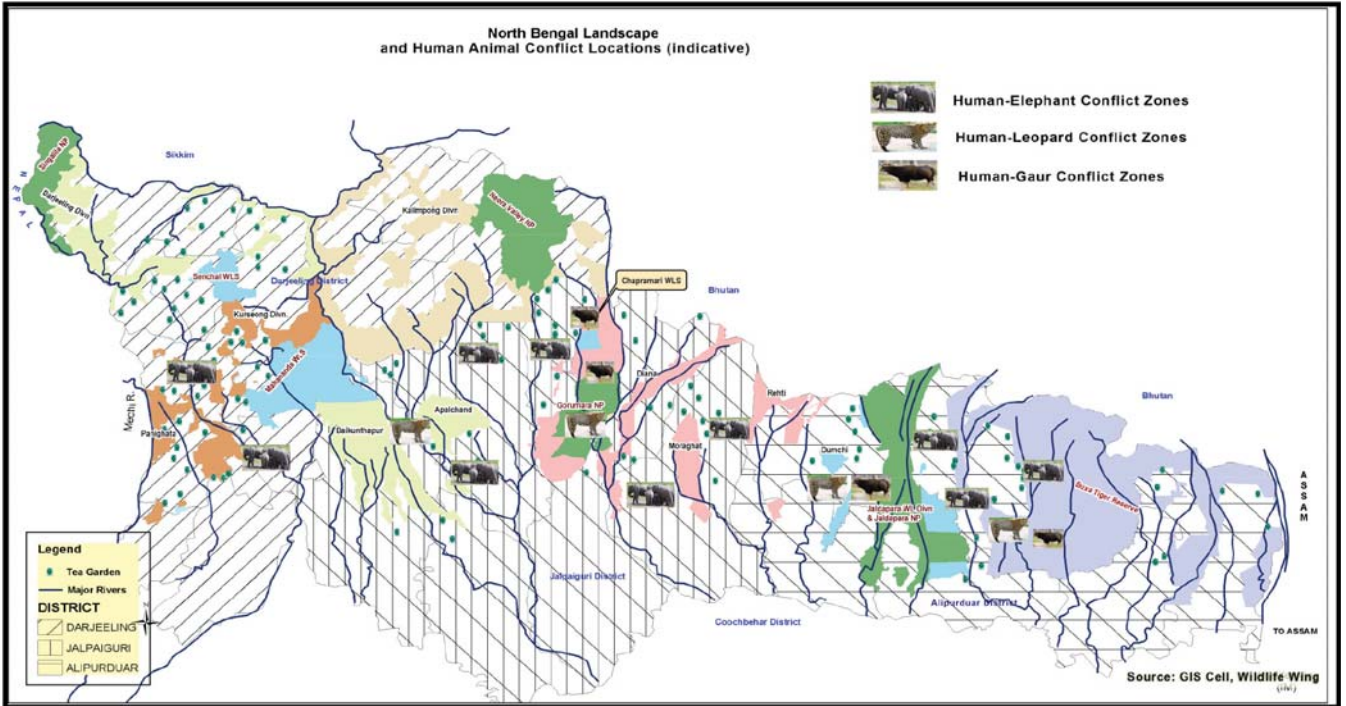
Human-Wildlife Conflict

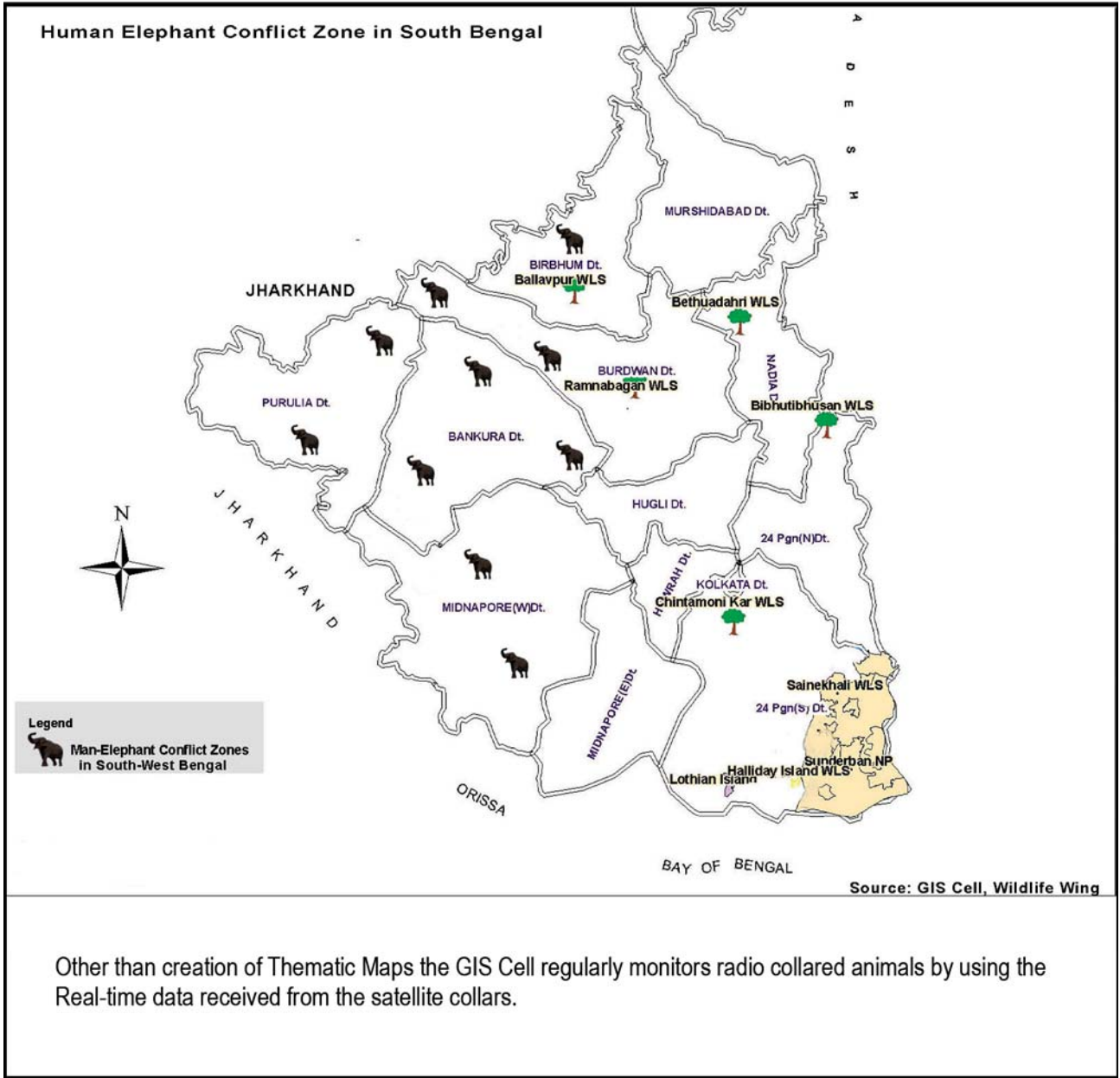
Mitigation of Conflict





5.01 Human Wildlife Conflict Areas in West Bengal





5.02 Human-Wildlife Conflict

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

Man-elephant, Man-tiger, Man-leopard, Man-bison, 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 and leopard in some areas.

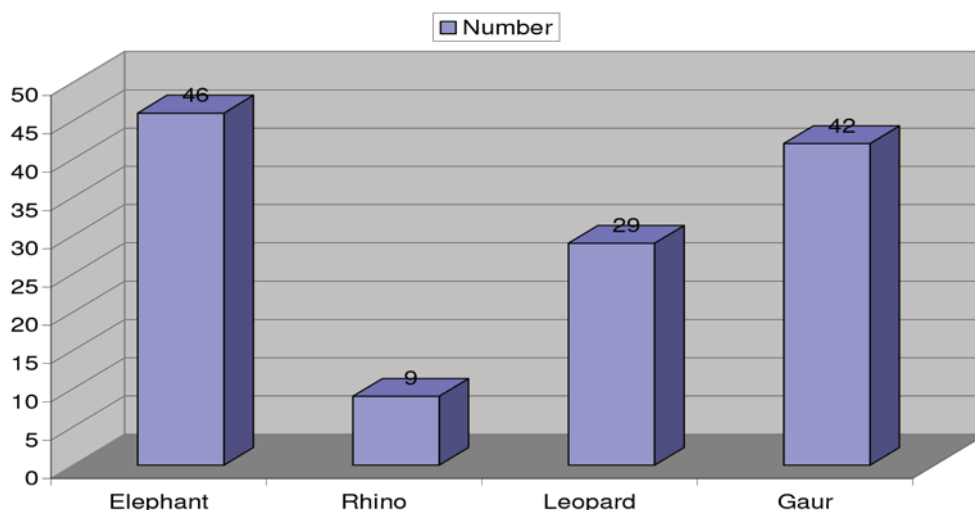
5.03 Death of Wild Animals during 2015-16 in West Bengal

Name of Animals	Natural Death	Accident	Poaching	Retaliatory Killing	Total
Wild Elephant	22	9	1	14	46
Departmental Elephant	1	–	–	–	1
Tiger	2	–	–	–	2
Leopard	18	9	1	1	29
Rhinoceros	7	–	2	–	9
Gaur	37	3	2	–	42
Red Panda	1	–	–	–	1
Barking Deer	5	6	3	–	14
Sambar	1	–	1	–	2
Spotted Deer	8	2	–	–	10
Hyena	–	1	–	–	1
Wild Boar	4	–	1	–	5
Crocodile	–	1	–	–	1
Leopard Cat	–	1	–	–	1
Jungle Cat	1	1	–	1	3
Civet	1	1	–	–	2
Jackal	1	–	–	–	1
Python	1	2	–	–	3
Gangetic Dolphin	1	1	–	–	2



Caterpillars ready to be Butterfly : LAVA NIC

Death of Major Wild Animal during 2015-16



5.04 Death of Wild Animals caused by Train accident during 2015-16

Species	Date and time	Place of occurrence	Description	Number	Cause of Death	Remarks
Elephant	07.05.2015 (9:30 PM)	Railway track near Meghnath Saha Nagar, P.O. & P.S. Madarihat, Jaldapara WL Division	Male	1 No.	Train No. 15467 (NJP APDJ Exp.)	The various steps that have been taken to prevent death of wild animals including elephants due to train accident are stated in chapter-VI.
	22.11.2015 (2:40 AM)	Siliguri junction to Alipurduar junction track in between Dalgaon-Madarihat railway station at 111/9 km. post of railway track, Jaldapara Wildlife Division	Male, Adult (Tusker)-1	1 No.	Died by dashing of speeding parcel train	
	14.12.2015 (7:30 PM)	Between Sevoke and Gulma Railway Station at 21/8 railway km.post in Ghoramara Block of North Range, Darjeeling Wildlife Division	Female, Sub-adult	1 No.	Run over by the Passenger Train	
	23.12.2015 (10:06 PM)	Railway pillar No. 162/6-7, DPO-7 Comptt., Damanpur Beat under East Damanpur Range	Female, Calf-1 No., Female Adult-1 No.	2 Nos.	Train accident by UP Capital Express	
	Total			5 Nos.		
King Cobra	11.05.2015 (4:00 PM)	Oodlajhora-5 Comptt (near Jaldhaka Bridge) of Panjhora Beat under Chalsa Range	Female	1 No.	Train accident	

5.05 Death of Wild Animals caused by Road accident during 2015-16

Sl. No.	Animal	Sex	Age	Division	Date of occurrence	Place of incidence
1.	Hyena	Male	5-6 yrs.	Purulia Division	16-Apr-15	Tiger more, Dandudi under Baghmundi P.S., Matha P.F. Beat under Matha Range
2.	Barking Deer			Gorumara Wildlife Division	02-Jun-15	On the road NH-31 near Jaldhaka Bridge
3.	Leopard	Female	3-4 yrs.	Buxa Tiger Reserve (West)	05-Jun-15	Near Dima Bridge NH-31C, Poro-9 Comptt., West Garam Beat under West Damampur Range
4.	Leopard	Female	2-3 yrs.	Buxa Tiger Reserve (West)	22-Jun-15	Atiabari T.E., outside forest, Nimati East Beat under Nimati Range
5.	Leopard	Male	1.5-2 yrs.	Buxa Tiger Reserve (West)	02-Sep-15	SRVK-9 Comptt. (Beside PWD B.F.road), West Rajabhatkhawa Beat under West Rajabhatkhawa Range
6.	Barking Deer	Male	7-8 yrs.	Buxa Tiger Reserve (West)	15-Feb-16	SRVK-7 Comptt., WRVK Beat under West Rajabhatkhawa Range
7.	Leopard	Female		Jaldapara Wildlife Division	25-Feb-16	On Hasimara-Jaigaon Road, near Malangi Petrol Pump, Hasimara
8.	Barking Deer	Male	3-4 yrs.	Buxa Tiger Reserve (West)	11-Mar-16	NH-31C Road, Poro-10 Comptt., East Poro Beat of West Damampur Range

5.06 Death of elephants caused by electrocution during 2015-16

Sl.	Date	Sex	Age	Place	Division	Category	Remarks
1	19-Apr-15	Male (Tusker)	10 yrs.	Found dead in an open field near village Dudhimukha of Mouza Godardihi under Sangrampur Beat of Barjora Range	Bankura (North) Division	Retaliatory Killing	Burning sign on trunk portion, FIR lodged in Beliatore P.S. against 4 persons
2	07-Jun-15	Female	5-6 yrs.	Lanka Khas under Lankapara Range	Jaldapara Wildlife Division	Retaliatory Killing	
3	07-Jul-15	Male	25-30 yrs.	Khokla Busty, RMT-1 Comptt., Rangamati Beat under Hamiltonganj Range	Buxa Tiger Reserve (West)	Retaliatory Killing	FIR lodged with Jaigaon Police Station

Sl.	Date	Sex	Age	Place	Division	Category	Remarks
4	10-Jul-15	Female	30 yrs.	Pipe Line (Dhipa Line) at Dharanipur Tea Estate under Khunia Wildlife Squad	Gorumara Wildlife Division	Retaliatory Killing	
5	07-Sep-15	Male (Tusker)		Satali Nakadala Village, Mendabari Beat under Chilapata Range	Jaldapara Wildlife Division	Retaliatory Killing	
6	11-Sep-15	Male (Tusker)	10-12 yrs.	Detected on paddy field at Mouza-Kantapasia, Beat-Belboni, Range-Bankura North under Beliatore P.S.	Bankura (North) Division	Retaliatory Killing	FIR lodged at Beliatore P.S., against 2 persons, on the basis of FIR (Case No. 92/15 dt. 11.09.15) Beliatore P.S. arrested 2 persons on 11.09.15 and sent to the Court
7	10-Oct-15	Male	25 yrs.	Pattidura Revenue Village of Barodighi Beat under Lataguri Range of Jalpaiguri Division	Gorumara Wildlife Division	Retaliatory Killing	FIR lodged by RO, Apalchand Range
8	15-Oct-15	Male	9 yrs.	In the paddy field of Sri Narayan Hembram of Baishnaband village about 15 mts away from the forest boundary of Manikbazar Beat under Sonamukhi Range	Bankura (North) Division	Retaliatory Killing	Touch with live electric fencing which was erected illegally by the villagers around their paddy field, FIR lodged against Sri Narayan Hembram at Sonamukhi P.S. on 15.10.15
9	21-Jan-16	Male	14 yrs.	Paddy field near village Anantabati, Mouja-Indkata, Indkata Beat near Sonamukhi Range	Bankura (North) Division	Retaliatory Killing	FIR No. 355/SM 15 Dated 21.01.16 against three persons namely 1) Sri Paban Ghosh, S/o Late Balam Ghosh, 2) Sri Bakul Ghosh, S/o Late Balam Ghosh, 3) Santosh Ghosh, S/o Late Balam Ghosh, Vill. Anantabati, P.S.Sonamukhi
10	26-Jan-16	Female	32 yrs.	Paddy field near village Anantabati, Sali river side, Mouza-Nobasone, Vill. Nobasone, of Beliatore Beat under Beliatore Range	Bankura (North) Division	Retaliatory Killing	FIR No. 55/BT-15 Dated 26.01.16 against one person namely Sri Tapas Chowdhury, S/o Late Bhutnath Chowdhury, Vill. Nabason, P.S.Beliatore
11	27-Jan-16	Female	25 yrs.	Found lying on potato field near Naran Sundori village, about 500 mt. away from the forest boundary of Manikbazar Beat under Sonamukhi Range	Bankura (North) Division	Retaliatory Killing	FIR No. 363/SM 15 Dated 27.01.16 against four persons namely 1) Sri Bangsi Paramanik, S/o Late Gagan Paramanik, 2) Sri Sudhansu Ghosh, S/o Late Kalipada Ghosh, 3) Sri Subal Ghosh, S/o Late Kinkar Ghosh, 4) Sri Swarup Ghosh, S/o Subal Ghosh of Vill. Narayansundari, P.S. Sonamukhi

Sl.	Date	Sex	Age	Place	Division	Category	Remarks
12	27-Jan-16	Female	35 yrs.	Found lying on potato field near Naran Sundori village, about 500 mt. away from the forest boundary of Manikbazar Beat under Sonamukhi Range	Bankura (North) Division	Retaliatory Killing	FIR No. 363/SM 15 Dated 27.01.16 against four persons namely 1) Sri Bangsi Paramanik, S/o Late Gagan Paramanik, 2) Sri Sudhansu Ghosh, S/o Late Kalipada Ghosh, 3) Sri Subal Ghosh, S/o Late Kinkar Ghosh, 4) Sri Swarup Ghosh, S/o Subal Ghosh of Vill. Narayansundari, P.S. Sonamukhi
13	31-Jan-16	Male (Tusker)	45 yrs.	Mouja-Lalbazar, GP-Khararia near village of Lalbazar of Barjora P.S.	Bankura (North) Division	Retaliatory Killing	
14	15-Feb-16	Male	35 yrs.	Keranipara, Purba-duramari under Moraghat Range	Jalpaiguri Division	Retaliatory Killing	
14 elephants killed due to electrocution during 2015-16 in West Bengal.							

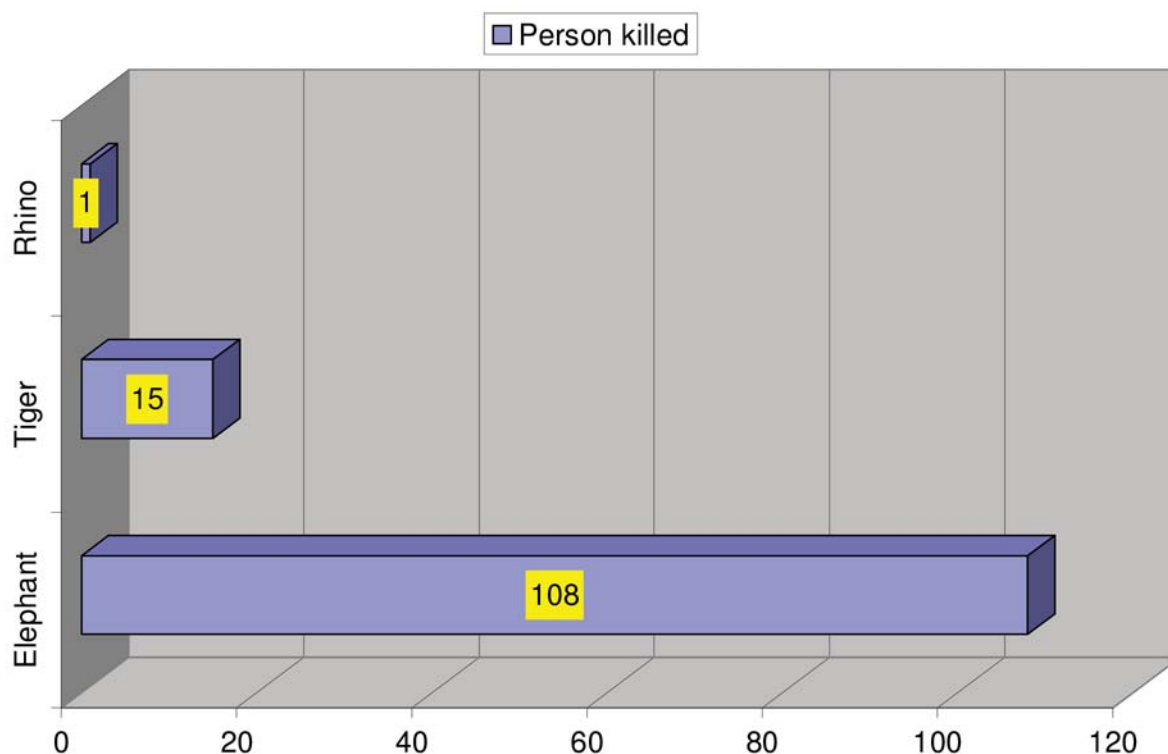
5.07 Death of Departmental Elephants during 2015-16

Sl. No.	Date	Sex	Age	Division	Place of incidence	Cause of Death	Remarks
1.	31.03.2016	Female	5 yrs.	Jaldapara Wildlife Division	Deodanga Tower Pilkhana, CP-4(a) Comptt., Chilapata Beat under Chilapata Range	Natural	Captive elephant 'DURGA'

5.08 Person killed /injured by Wild Animals during 2015-16

Sl. No.	Name of Animal	No. of Persons Killed	No. of Persons injured
(1)	(2)	(3)	(4)
1	Elephant	108	95
2	Tiger	15	-
3	Leopard	-	37
4	Rhinoceros	1	1
5	Gaur (Indian Bison)	-	5
6	Crocodile	-	1
7	Deer	-	1
8	Wild Boar	-	3
9	Langur	-	8
Total	124	151	

Persons killed by Major Wild Animal during 2015-16



5.09 Forest Staff Killed / Injured by Wild Animal during 2015-16

Sl. No.	Name of the Staff	Designation	Killed/ Injured	Division	Remarks
1.	Sujit Manna	Forest Guard	Killed	Panchet Division	Killed by wild elephant
2.	Dhan Bahadur Bhujel	Banashramik of Khunia Wildlife Squad	Injured	Gorumara Wildlife Division	Injured by Langur
3.	Shiblal Nayak	Patawala of Departmental Elephant Tarzan	Killed	Jaldapara Wildlife Division	Killed by Rhino
4.	Jagadish Chandra Roy	Forest Guard	Injured	Jaldapara Wildlife Division	Injured by Bison during driving

Forest staff killed by wild animal during 2015-16 – 2 Nos.

Forest staff injured by wild animal during 2015-16 – 2 Nos.

5.10 Straying of Wild Animals during 2015-16

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
Elephant					
02.04.2015	Elephant	Binnaguri T.G., Gorumara WL Div.	Rathi Forest Drive	----	----
03.04.2015 to 04.04.2015	Elephant	Different forest areas of Gushkara Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.	Human life and property	
06.04.2015 to 07.04.2015	Wild Elephant	Kastogora, Rampurhat Range, Birbhum Div.	Holla Party with Forest Staffs	----	----
08.04.2015	Elephant 3 nos. Male	Malancha, Dhulian, Dist.- Murshidabad, Nadia-Murshidabad Div.	Entered from Jharkhand & Driven back to Jharkhand	----	----
08.04.2015	Elephant (Tuskar) 20-25 Yr. Male	Kadamdiha-121, PF of Goaltore Beat & Range Kumari-136, PF under Mahalisai Beat and Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human death 2 (two) no's	
11.04.2015	Elephant	Non-forest areas in Khandaghosh Block, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.	Human life and property	
12.04.2015 to 19.04.2015	Wild Elephant	Lohapur Kashimnagar, Mitrapur Rampurhat Range, Birbhum Div.	Holla Party with Forest Staffs	----	----
14.04.2015 to 17.04.2015	Elephant Male	Dhulian, Sagardhight, Khargram Murshidabad, Nadia-Murshidabad Div.	Entered from Birbhum & Drive back to Birbhum	----	----
19.04.2015 to 20.04.2015	Elephant Male	Suti Block of Murshidabad District, Nadia-Murshidabad Div.	Entered from Birbhum & went to Bangladesh		
21.04.2015	Elephant	Madanpur, Durgapur Div.	Through Hulla Party	Crop & Hut Damage	

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
22.04.2015 to 23.04.2015	Elephant Male	Nabadwip Block of Nadia District, Nadia-Murshidabad Div.	Entered from Burdwan drive back to Burdwan		
29.04.2015 to 05.05.2015	Elephant	Different forest as well as non-forest areas of Panagarh & Gushkara Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.	Human life and property	
01.05.2015	Elephant (solitary Tuskar) 22-25 Yr. Male	Chandabilla, JL No.-499, P.F. of Nohari Beat Garbeta Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human death 1 (One) no	
18.05.2015	Elephant, Female 14-16 Yrs.	Datum WGS-84, Mouza Indkuri-283, Beat Baromesia, Range Hoomgarh, Rupnarayan Div.	Watch and ward for sufficient food and Water	.001 Ha	Elephant itself died
20.05.2015	Wild Elephant (Tuskar) 24 Yr. Male	Hizli, Mahisamura, Kawudanga, Ranibundh & Jhilimili, Bankura(S) Div.		Crop & Hut Damage	
23.05.2015 to 25.05.2015	Elephant	Different forest as well as non-forest areas of Panagarh Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.	Human life and property	
28.05.2015	Elephant, Male	Haldibari T.G., Gorumara WL Div.	Totapara Forest Drive	----	----
28.05.2015	Elephant (solitary Tuskar)M 25-27 Yr. Male	PF under Ramgarj Beat of Goaltore Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human death 1 (one) no	
11.06.2015	Elephant, Female	Karbala T.G., Gorumara WL Div.	Totapara Forest Drive	----	----
16.06.2015	Elephant (solitary Tuskar)M 25-27 Yr. Male	PF under Barapatasole Beat of Goaltore Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human death 1 (one) no	
20.06.2015	Wild Elephant , 3 Nos. (1 No. Makna, 2 Nos. Tusker.)	Hilla T.G., Gorumara WL Div.	Regular Patrolling duty.	---	---
21.06.2015	Elephant (solitary Tuskar)M 25-30 Yr.	Pathrisole Beat of Garbeta Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human death 1 (one) no	
09.07.2015 to 15.07.2015	Elephant, Male	Beldanga, Sargachi, Raginagar, Bhabta of Murshidabad Dist. & Kaliganj, Nakashipara of Nadia District, Nadia-Murshidabad Div.	Entered from Birbhum & drive back to Burdwan	----	----

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
12.07.2015	Elephant	Red Bank T.G., Gorumara WL Div.	Daina Forest Drive	----	----
17.07.2015	Elephant	Debpara T.G., Gorumara WL Div.	Daina Forest Drive	----	----
19.08.2015	Elephant	Ganda Para T.G., Gorumara WL Div.	Totapara Forest Drive	----	----
01.09.2015	Elephant	Banarhat T.G., Gorumara WL Div.	Rathi Forest Drive	----	----
02.10.2015 to 10.10.2015	Wild Elephant	Radhamadhabpur mouza, Kachujore Beat Suri Range, Birbhum Div.	Holla Party with Forest Staffs	Crop Damage	
03.10.2015	Elephant (Cub), Male	Binnaguri T.G., Gorumara WL Div.	Rathi Forest Drive	----	----
08.10.2015	Wild Elephant (Tuskar) 24 Yr. Male	Hizli, Mahisamura, Kawudanga, Ranibundh & Jhilimili		Crop & Hut Damage	
09.10.2015	Elephant	Different forest as well as non-forest areas of Panagarh Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.	Human life and property	
12.10.2015	Wild Elephant (Tuskar) 22 Yr. Male	Hizli, Mahisamura, Kawudanga, Bankura(S) Div.		Crop & Hut Damage	
13.10.2015 to 22.10.2015	Wild Elephant	Radhamadhabpur mouza, Kachujore Beat Suri Range, Birbhum Div.	Holla Party with Forest Staffs	Crop Damage	
19.10.2015	Wild Elephant (Herd), 10-12 Nos.	Ghumauni Bhutan near Ghatia T.G., Gorumara WL Div.	Regular Patrolling duty.	---	---
20.10.2015	30 to 35 Nos. Elephant. 3 Nos Tusker, 7 to 10 Nos. Female, 1 No. Makhna, 4 to 5 Nos. Cub. 8 to 10 sub adult, 5 to 6 unsex.	Sec. No. 9 of New Galena, Gorumara WL Div.	----	----	----
01.11.2015	Elephant	Lakhi Para T.G., Gorumara WL Div.	Totapara Forest Drive	----	----
03.11.2015	Elephant, Male, 5-6 yrs.	Hensla hill forest area of mouza Hensia under Jhalda Range, Purulia Div.	It may be due to Natural death or from any disease as per PM Report.		

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
05.11.2015 to 06.11.2015	Elephant 8 Nos.	Different forest as well as non-forest areas of Panagarh & Gushkara Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.	Human life and property	
10.11.2015	Wild Elephant (Tuskar) 24 Yr. Male	Hizli, Mahisamura, Kawudanga, Ranibundh & Jhilimili		Crop & Hut Damage	
13.11.2015	Elephant	Ganda Para T.G., Gorumara WL Div.	Totapara Forest Drive	----	----
19.11.2015	Elephant	Ballavpur, Nupr, Kantaberia, Madhaiganj, Pratappur, Bansia, Durgapur Div.	Through Hulla Party	Crop & Hut Damage	
20.11.2015	Wild Elephant (Tuskar) 24 Yr. Male	Hizli, Mahisamura, Kawudanga, Ranibundh & Jhilimili		Crop & Hut Damage	
21.11.2015	15 to 20 Nos. Elephant, 1 No. Tusker, 1 Makhna, 5 Nos. Female, 5 Nos. Cub, 6 to 8 Sub adult.	Sec. No. 12, Bagrakot T.E., Gorumara WL Div.	----	----	----
22.11.2015	1 No. Elephant (Tusker), Sub Adult.	Baintgure T.E., Gorumara WL Div.	----	----	----
28.11.2015	Elephant	Air Field, Gorumara WL Div.	Totapara Forest Drive	----	----
02.12.2015	Wild Elephant, 9 Nos.	Chiloni T.G. , Boundari near Samsing T.G., Gorumara WL Div.	Regular Patrolling duty.	---	---
05.12.2015	Elephant	New Doors T.G, Gorumara WL Div.	Daina Forest Drive	----	----
06.12.2015 to 13.12.2015	Elephant Male 2 Nos.	Entered from Jharkhand roamed within Farakka & Samserganj P.S. Under Raghunathganj Range, Nadia-Murshidabad Div.	with the help of local people & Hulla Party drive back to Jharkhand through Pakur	----	----
14.11.2015	Elephant	Neemdanga, Raiganj Div.	Translocated to Mahananda WLS		
22.12.2015	Wild Elephant (Tuskar) 22 Yr. Male	Hizli, Mahisamura, Kawudanga		Crop & Hut Damage	
03.01.2016	Elephant (tusker)	2006 Plantation, Near "o" bundh under GSR., Gorumara WL Div.	By tranquilization	N.A	The elephant was injured by fighting with other tusker.
05.01.2016	Elephant calf of 15 days	Mouza Neemakata (private) under Goaltore Beat of Garbeta Range, Rupnarayan Div.	Rescued and returned back to the mother	One irrigation well and 1 Ha crop	Fallen into Irrigation Well

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
06.01.2016	Elephant calf of 15 days	Mouza Jirapara under Mahalisai-I Beat of Mahalisai Range, Rupnarayan Div.	Rescued and returned back to the mother	crop	Well
06.01.2016	Elephant(Tusker) 15-20 Yrs.	Subalbandi, PF under Mahalisai-II Beat of Mahalisai Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human Death 2 nos.	
06.01.2016	Elephant (Tusker) 15-20 Yrs.	Subalbandi, PF under Mahalisai-II Beat of Mahalisai Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human Death 2 nos.	
08.01.2016 & 18.01.2016	Wild Elephant (Tuskar) 18 Yr. F	Hura,Kamalpur,Hirbunth & Taldunga, Bankura(S) Div.		Injured one person, crop Damage & Hut Damage	
13.01.2016	Elephant (SolitaryTusker) 15-20 Yrs.	Amlasuli-179, PF under Amlasuli Beat of Hoomgarh Range, Rupnarayan Div.	Elephant drive towards deep forest.	Human Death 1 no.	
15.01.2016	Wild Elephant (Tuskar) 20 Yr. M	Simlupal Range from Taldungra to Krisnapur & jamboni at Sarenga Range, Bankura(S) Div.	1. Fodder trees Planted 2. Water Holes created 3. Organised driving	Killed a person,Crop Damage &Hut Damage	
18.01.2016	Wild Elephant (Tuskar) 25 Yr. F	Hatbari,Bagnada,Putiadaha etc. , Bankura(S) Div.	1. Fodder trees Planted 2. Water Holes created 3. Organised driving	Crop & Hut Damage	
18.01.2016	Wild Elephant 11-12 Yr. M	Beat Baromesia Range Hoomgarh, Rupnarayan Div.	Watch and ward for sufficient food and Water	.001 Ha	Elephant itself died
26.01.2016 to 02.02.2016	Elephant	Different forest as well as non-forest areas of Panagarh & Gushkara Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving opeation of wild elephant.	Human life and property	
01.02.2016	Elephant	Ramprasadpur, Durgapur Div.	Through Hulla Party	Crop & Hut Damage	
26.02.2016	Elephant	Rehibari T.G. , Gorumara WL Div.	Rathi Forest Drive	----	----
04.03.2016	2 Nos. Elephant, 1 No. Tusker , 1 No. Makhna	Wasahbari T.E., Gorumara WL Div.	----	----	----
08.03.2016	Wild Elephant (Tuskar) 15 Yr.M	Small Male Elephant, Simlupal, Jamboni, Pirrorgari Range, Bankura(S) Div.	1. Fodder trees Planted 2. Water Holes created 3. Organised driving	Killed a person,& injured one person	
10.03.2016	30 to 35 Nos. Elephant, 3 to 5 Nos. Tusker, 3 to 5 Nos. Makhna, 7 to 10 Nos, Female, 5 to 10 Nos. Cub and sub Adult.	Wasahbari T.E, Gorumara WL Div.	----	----	----

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
19.03.2016 to 21.03.2016	Elephant	Different forest as well as non-forest areas of Gushkara ,Panagarh, Katwa S.F. & Burdwan Range, Burdwan Div.	Deployment of staff, mobile range staff, DL, local Hullah Party, FPC members etc, intensive campaigning through miking, leaflets etc. in the driving opeation of wild elephant.	Human life and property	
22.03.2016	Elephant	Dhupguri Bazer, Gorumara WL Div.	Khulimari Forest Drive	----	----
26.03.2016	Elephant 30 to 35 Nos. 3 to 5 Nos. Tusker, 3 to 5 Makhna, 7 to 10 Female, 5 to 15 Cub,and Sub Adult.	Wasahbari T.E, Gorumara WL Div.	----	----	----
Gaur					
15.04.2015	Gaur (7 Nos.)	Mathura Bagan, Jaldapara WL Div.	Driven to Chilapata forest	NIL	NIL
25.04.2015	Gaur, Female.	New Doors T.G., Gorumara WL Div.	Totapara Forest Drive	----	----
09.05.2015	Gaur, Male	Karbala T.G., Gorumara WL Div.	Rathi Forest Drive	----	----
16.05.2015	Gaur, Female, 2yrs.	Hazipara, Gorumara WL Div.	Regular Patrolling duty.	---	---
19.05.2015	Gaur, Male	Lokhipara T.G., Gorumara WL Div.	Daina Forest Drive	----	----
21.05.2015	Gaur, Male	Ambari T.G., Gorumara WL Div.	Daina Forest Drive	----	----
06.07.2015	Gaur	New Doors T.G., Gorumara WL Div.	Totapara Forest	----	----
17.09.2015	Gaur, Female, Adult.	Aibheel T.G., Gorumara WL Div.	Regular Patrolling duty.	---	---
24.12.2015	Gaur	Chunaabhati T.G., Gorumara WL Div.	Rathi Forest Drive	----	----
31.01.2016	Gaur	Changmari T.E, Gorumara WL Div.	By tranquilization	----	----
31.01.2016	Gaur, Male, Adult.	Chiloni T.G., Sec. No.-13 near Laljhamela busty., Gorumara WL Div.	Regular Patrolling duty.	---	---
05.02.2016	Gaur 3 Nos.	Salkumar, Jaldapara WL Div.	Drive		
26.03.2016	Gaur	Kali Khola, Gorumara WL Div.	Drive out the stayed Gaur in Forest area on 27.03.2016	----	----
27.03.2016	Gaur	Nima Busty, Gorumara WL Div.		Hut & minor damage in Kali Khola ,Nima Busty area and injured 2 persons.	

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
Leopard					
20.06.2015	Leopard, FeMale, 5-6 yrs.	Tatuaara village under Nowahatu beat of kotshila Range, Purulia Div.	Villagers killed the animal in self defense. Dead body of leopard released & burnt.		
23.07.2015	Leopard, Male, 6-7 yrs.	Chuapara Tea Garden, Labour Line, Pana Range, BTR(W) Div.	By tranquilization		Released at 25th Mile tower area, West Rvk.
04.08.2015	Leopard Cub - 3 Nos,(2 Nos Male, 1 No. Female) 1 Month Approx.	Sec. No. 7 of Rangamatte T.E., Gorumara WL Div.	----	----	----
03.09.2015	Leopard, Male, 10 yrs.	Kaljani, Coochbehar Div.	Driving		
08.10.2015	Clouded Leopard, Male, 20 yrs.	Kumargram T.G., Labour Line, Kumargram Range, BTR(E) Div.	By tranquilization		Released at Newlands-2 Comptt., Kumargram Range
15.11.2015	Leopard, Male, 8 yrs.	Mathabhanga, Coochbehar Div.	By tranquilization		
20.01.2016	Leopard, Male, 8 yrs.	Sitalkuchi, Coochbehar Div.	By tranquilization		
02.03.2016	Leopard	Dhupguri Station Para, Gorumara WL Div.	By tranquilization	----	----
04.03.2016	Leopard	Tekepara T.E, Gorumara WL Div.	By tranquilization	----	The leopard was trapped in a local made leg hold trap.
Tiger					
09.10.2015	Tiger	Tridibnagar (Balikhali village) Jharkhali Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regularpatrollingby the staff and local people	-	Return to the forest on 11.10.2015
31.10.2015	Tigress	Balikhali (Tridibnagar) Jharkhali 3 No FPC, Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people	-	Captured on 07.11.2015 and released at Panchamukhani 5 compartment of STR on 19.11.2015
06.11.2015	Tiger	Kishorimohanpur of Nolgora Beat, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people	-	Return to the Forest on 08.11.2015
12.11.2015	Tiger	Gangamela Tridibnagar, Jharkhali, Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people	-	Return to the Forest on 14.11.2015

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
14.11.2015	Tiger	Gangamela Tridibnagar, Jharkhali, Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people	-	Return to the Forest on 15.11.2015
23.11.2015	Tiger	Tridibnagar AKG colony, Jharkhali, Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people	-	Return to the Forest on 24.11.2015
27.11.2015	Tigress	Tridibnagar , Jharkhali 3 no FPC, Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people	-	Captured on 29.11.2015 and released at Mayadwip 3 compartment of STR on 19.12.2015
04.12.2015	Tigress	Tridibnagar , Jharkhali 3 no FPC, Matla Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people		Captured on 07.12.2015 and Radio collaring done on 29.01.2016 and handed over to STR for release on 30.01.2016
22.12.2015	Tiger	Deulbari 1 FPC Kultali Bat, Raidighi Range, 24-Pgns(S) Div.	NNF raised on the village side, regular patrolling by the staff and local people		Capture on 24.12.2015 and Under treatment at SWAP, Jharkhali

5.11 Mitigation of Conflict

South Bengal :

During the year 2015-16 there has been a no. of incidences of elephant depredation in the districts of South Bengal specially Paschim Medinipur (all four Divisions of Kharagpur, Medinipur, Rupnarayan and Jhargram Divisions) and Bankura (specially Bankura (North) and Bishnupur Divisions) Districts – apart from these districts, lone elephants have depredated in adjoining districts like Bardhaman, Nadia, Murshidabad also. Efforts have been taken to mitigate the damage to human life and property not only by means of making ex-gratia payments but also by driving the elephants away to the forests and also by translocating them after chemical immobilization. The significant incidences are given below :

Sl. No.	Date	Place	Incidence Summary	Follow up
1	04.05.2015	Keshiary under Belda Range, Kharagpur Division	A male elephant calf of age 5-6 years having shoulder height of 1.5m was roaming in paddy field of Kearchand village – after a search of a whole day, it was spotted in a bushy area – was tranquilized with 3ml and further 1.5ml Xylaxil in a congested area by Sri Biswanath Bhanja, DR/Fr, Rupnarayan Division and loaded on a tractor.	Translocated to Jhargram Mini Zoo.
2	14.12.2015	Gajole Block under Malda District	An adult male tusker had entered from Bihar to Gokarna of Block and PS Harirampur under District Dakshin Dinajpur covering Kushmondi Range of Raiganj Division and then to Gajole Block – was tranquilized by Sri S Pal Choudhury, T.A. and loaded on truck for Mahananda Wildlife Sanctuary.	Released in nature in the forests of Mahananda Wildlife Sanctuary.
3	20.03.2016	Vill-Putsuri, PO-Dhenur, PS-Monteswar, Range-Katwa Social Forestry of Bardhaman Division.	On 20.03.2016 a tusker with two tusks of age-20-24 years and height-7'7" was seen at Kusumgram village of Manteswar Block under Bardhaman Division – the tusker had killed four villagers on its way and was tranquilized at 4.06pm.	Died the same day at 10.40 pm due to Cardio-Respiratory failure.
4	21.03.2016	Juranpur Ghoshpara under Kaliganj Block, Bethuadahari Beat, Krishnanagar Range, PS_Kaliganj, Nadia-Murshidabad Division.	A male sub-adult Makna elephant had taken shelter near Juranpur earthen dam at maize field – the staffs of Krishnanagar Range, Berhampur(S) Range and Kailganj PS tried their best to control the huge crowd gathered to see the elephant - the elephant was tranquilized by Sri S Pal Choudhury, T.A. at 4.15pm and loaded on truck for Gorumara Wildlife Sanctuary.	Translocated to Gorumara National Park.

North Bengal :

On 10th February, 2016 an adult Makna strayed out of Dabgram Forests of Baikunthapur Forest Division which is adjoining the town limits of Siliguri in North Bengal. Consorted efforts were made by the staffs to drive it back to the forests but was in vain due to huge gathering of crowd. Siliguri Police was contacted to provide Police support including RAF to control the public. Additional staffs were deputed from adjoining Dabgram Range, Sarugara Range, MPP-I Range and Sukna Wildlife Squad.

Permission was accorded by CWLW, WB to tranquilize the Makna. Accordingly, Wildlife Mobile Squad darted first a 7ml Xylaxil dose as suggested by the Veterinary Doctor. After this first Dart the animal moved into the basement of a huge shopping complex and remained there for almost 15 minutes as the drug started its effects. Then, on its own the elephant struggled and climbed the stairs of the basement and came out in the road. Observing its excitement, the Veterinary doctor suggested another

dose of Xilazil of 3ml and that was darted. Now, the elephant got sedated. It was observed that, it was risky to keep the elephant under sedation for a longer time. So, using two cranes and flat nylon belts, the sedated elephant was physically lifted and loaded into a truck and was taken to Mahananda Wildlife Sanctuary.

The elephant was examined by the veterinary Doctor inside the Mahananda Wildlife Sanctuary and long lasting anti-biotic was administered on it before it was revived. The animal walked out in the forests of Mahananda Wildlife Sanctuary at around 2.15pm.



In this whole operation there was no injury/casualty to human or others – only some property were damaged as the place was a congested business center on the busy Sevoke Road.



5.12 Steps taken to prevent death of wild animals including elephant due to train accident

The Government of West Bengal has taken many steps to prevent such incidents:

(i) Passes in Chapramari Wildlife Sanctuary KM No. from 66/2 to 67/5:

Construction of 5 Nos. new passes in Chapramari Wildlife Sanctuary has been completed by the Railways from the funds provided from Forest Department. Out of the above, Railways have been allowed to close one pass 68/3-4, located at sharp curve of railway track.

(ii) Construction of Ramps in Jaldapara National Park:

2 Nos. of Ramps each of 20 mts. wide have been constructed by the Railways from the funds released from Forest Department.

(iii) Mahananda Wildlife Sanctuary KM No. 24/6-7:

A fund of Rs. 162.456 lakhs was released during 2011-12 to NFR for the construction of railway girder and providing rail fencing from Railway KM 24/6 to 26/3 inside Mahananda WLS and Railways has already completed works.

But following discrepancies were noticed during inspection by Chief Conservator of Forests, Wildlife (North) on 25.02.2015.

(i) From Railway KM 24/9 to 25/1, a drain was constructed on right side of track with dual objective of preventing entry of wild elephants on to railway track and discharge of water. However, depth of drain is approx. 50 cm only which can be easily negotiated by wild elephants and elephants can easily come on railway track, get trapped which may lead to accidents causing death of wild elephants as well as human life. No additional structures have been provided for preventing entry of elephants on to railway track. It is recommended that drain should be at least 4 feet deep with minimum 5 feet width. Alternatively Railways may provide rail fencing (minimum height 6 ft. with 3 stands) on right side of already constructed drain so that elephants are not able to enter on to railway track.

(ii) Iron sheet of approx. 3 feet width have been provided on the centre of railway track on the girder bridge to facilitate movement of railway staff during inspection. However, wild elephants may also use the same path and can enter into railway track thereby defeating the very purpose of construction of girder bridge. It is recommended that iron sheets may either be removed completely or it should not be continuous and its width may not be more than 30 cm so that it can act as psychological barrier for elephants.

(iii) Regarding fencing of proposed stretches between Siliguri to Alipurduar:

DRM Alipurduar was informed vide letter No. 411/WLNB/W-57/13 dated 28.05.2014 and the issue was once again discussed with concerned Railway authorities in the meeting at Chalsa on 20.10.2014 and Alipurduar on 13.03.2015. Concerned Railway authorities have been clearly informed that permission for railway fencing on the proposed stretches cannot be allowed as it will lead further fragmentations

of elephants habitat. Railway authorities have been requested to submit proposals for constructions of elevated tracks / underpasses and ramps at selected locations.

(iv) Engagement of Elephant Trackers:

Movement of wild elephants is monitored by the Forest Department as far as possible and information is regularly shared with the 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. Matter has been informed to DRM Alipurduar during joint meeting held at Chalsa and Alipurduar.

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 also being taken:

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. To ensure availability of fund for ex-gratia payment.
9. Training and awareness camps for JFMC and local villagers.
10. Construction of protection camps, watch towers, etc. at strategic locations to keep vigil.
11. Setting up of Forest Protection Force in vulnerable areas.

12. Establishment of intelligence network for collecting information and provision for rewards.
13. Coordination amongst various parallel law enforcement agencies, like Police, BSF, SSB, Customs, etc.
14. Establishment of legal cells in forest divisions to provide prosecution support.
15. Intensive monsoon patrolling.
16. Liaising with Wildlife Crime Control Bureau.
17. 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.
18. Inter-State Co-ordination Committee to deal with problems of migratory elephants has been formed.
19. Preparation of databases for wildlife offenders as a precautionary measure in the enforcement initiatives.
20. Ecological restoration of critical wildlife corridors and routes has been taken to improve the efficacy of the movement of the elephants along the corridors.
21. Proposal for formation of Rapid Response Force (RRF) in vulnerable areas has been forwarded to the Govt. of West Bengal for necessary notification.

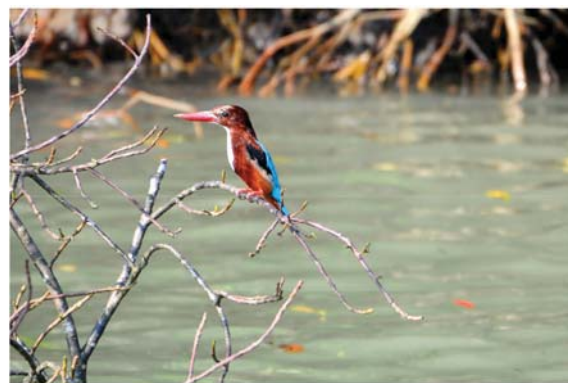
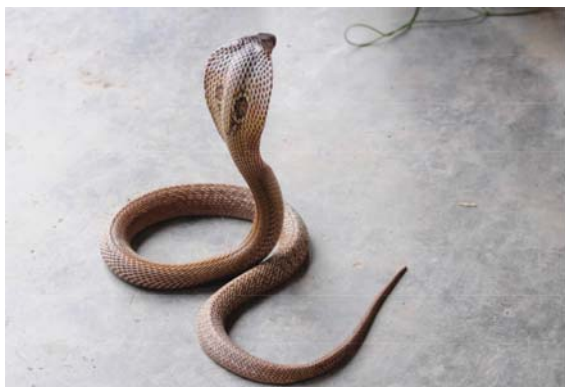
5.13 Measures taken for protection of migratory elephants across inter-state borders:

1. The State Board for Wildlife in its 9th meeting on 10.02.2015 approved the proposal for establishment of a separate Forest Division as Wildlife (South) Division (having an area of 454.23 Sq. Km.), for Mayurjharna Elephant Reserve connecting Elephant corridors from Jharkhand and Simlipal National Park in Odisha. This will improve the quality of home range of migratory and resident elephants primarily within the state forests as mentioned under schedule of area and for containing the elephants within the forest area with sole idea of reducing man-elephant conflict.
 2. Management Plan of Mayurjharna Elephant Reserve has been prepared for the period 2014-15 to 2023-24 and since approved.
 3. 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.
- (d) Electrocutation 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.



5.14 Measures taken to prevent Human-Tiger conflict:

- (1) The Nylon Net Fencing (NNF) has been erected over 96 kms. long which separates forest area from the human populated villages and thus the tiger intrusion into village area has drastically reduced in last 5 years.
- (2) The NNF are daily monitored and repairing done immediately according NNF Monitoring Protocol.
- (3) Modern techniques for tranquilization and capturing instruments including highly sophisticated cages has been equipped to cope up with any type of tiger straying incidents.
- (4) Constant awareness camps, JFMC meetings and public demonstration has 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 and thus making strategies for more intensive combat already-implemented in 2015-16.
- (6) Proposed implementation of UAV/Drone for generating the live imageries and videos from that movement of tiger as well as human being.



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 in 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. Implemented in 2015-16.

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 yet to be 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. To be implemented in 2016-17.





Chapter-6 Wildlife Offences





6.01 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.

The Wildlife Wing of the West Bengal Forest Department, in coordination 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 Snake Venom by Baikunthapur Division on 26.06.15 & 31.08.15

Seizure of Wildlife & wildlife articles reported during the year 2015-16

Sl.No.	Seized items	Qty.
1	Chameleon	1 No.
2	Deer flesh/meat	60 Kg.
3	Elephant bone	350 Gm.
4	Elephant jaw	1 No.
5	Elephant tusk	16 pieces
6	Gecko	19 Nos.
7	Indian Birds	714 Nos.
8	Leopard skin	5 Nos.
9	Leopard skull, jaw and other parts	150 Pcs.
10	Rhino horn	6 Nos.
11	Snake	27 Nos.
12	Snake venom	6 Jars
13	Tiger bone	88 Nos.
14	Tiger skin	1 No.
15	Tiger skull	1 No.
16	Turtle / Tortoise	2641 Nos.
 <p style="text-align: center;">Juvenile Indian Flap Shelled Turtle rescued in a Mug at Shankarpur</p>		
17	Turtle shell	11 Nos.



Wildlife offence under Wildlife (Protection) Act, 1972 during 2015-16

Division	POR	COR	UDOR	Person arrested
24-Parganas (North) Division	4	0	14	8
24-Parganas (South) Division	4	1231	40	8
Baikunthapur Division	16	0	0	38
Buxa Tiger Reserve (East)	2	0	0	5
Buxa Tiger Reserve (West)	3	0	0	3
Darjeeling Wildlife Division	3	9	150	0
Gorumara Wildlife Division	3	80	20	5
Howrah Division	2	0	0	0
Jaldapara Wildlife Division	16	65	112	8
Jalpaiguri Division	2	0	0	0
Kangsabati North Division	0	94	31	0
Kharagpur Division	5	0	0	17
Kurseong Division	3	0	0	6
Malda Division	1	0	0	1
Nadia-Murshidabad Division	0	0	3	0
Purba Medinipur Division	0	0	4	0
Raiganj Division	4	0	4	11
Sundarban Tiger Reserve	6	3050	20	20
Wildlife (Headquarters)	26	0	77	42
Total	100	4529	475	172



Parakeets rescued from Chandipur Market,
Purba Medinipur





Chapter-7

- Budget
- Conservation Schemes & Projects





7.01 Budget 2015-16 of Wildlife Wing:

Scheme	Division	Target		Achievement		
		Physical	Financial	Physical	Financial	
State Plan	Wildlife (HQ)		13989990.00		12167390.00	
	Darjeeling WL		16603796.00		16603796.00	
	Gorumara WL		9933500.00		9808796.00	
	Jaldapara WL		26850420.00	Construction of RCC Jetty, anti-poaching Barrack etc., POL & Hiring charges of Vehicle, M.Boat, etc., Sinking of Deep Tubewell, Excavation of Sweet Water Pond, Purchase of Solar Street Light, Publicity & awareness programme, Supply of feed & Vet. care for captive animal, Maint. of Fencing, etc.	21264935.00	
	Buxa Tiger Reserve (East)		9467750.00		8777290.00	
	Buxa Tiger Reserve (West)		5364117.00		4858847.00	
	24-Parganas (South)		31,788,000.00		29,238,757.00	
	24-Parganas (North)		6,239,500.00		3,979,172.00	
	Sundarban Tiger Reserve		8,987,500.00		8,970,371.00	
Total-SP		129224573.00	115669354.00			
* Centrally Sponsored Schemes	Wildlife (HQ)		397000.00			289647.00
	Darjeeling WL		4831405.00			4831405.00
	Gorumara WL		14218900.00		10701287.00	
	Jaldapara WL		26850420.00		22492535.00	
	Buxa Tiger Reserve (East)		9014096.00		8868283.00	
	Buxa Tiger Reserve (West)		8703240.00		8424139.00	
	Darjeeling Forest Division		854000.00		854000.00	
	Kurseong Division	Plantation, Payment of compensation, Creation of Protection Camp, Earthen Dam, Search light, Batteries, fire crackers, etc. & Engagement of skilled labourers for elephant depredation, operating cost of wildlife squads	1116469.00	Plantation, Payment of compensation, Creation of Protection Camp, Earthen Dam, Search light, Batteries, fire crackers, etc. & Engagement of skilled labourers for elephant depredation, operating cost of wildlife squads	1115414.00	
	Jalpaiguri Division		100000.00		100000.00	
	24-Parganas (South)		33287500.00		27684547.00	
	Sundarban Tiger Reserve		54952020.00		49773753.00	
	Raiganj Division		340000.00		340000.00	
	Panchet Division		98000.00		98000.00	
	Medinipur Division		761753.00		759080.00	
	Purulia Division		378134.00		378134.00	
	Nadia-Murshidabad Division		700000.00		350000.00	
	Bankura (North) Division		290000.00		290000.00	
	Bankura (South) Division		350000.00		304293.00	
	Burdwan Division		2300000.00		400000.00	
	Birbhum Division		759000.00		759000.00	
Durgapur Division	600000.00		600000.00			
Total-CSS			160901937.00		139413517.00	

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

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
FDA	Jalpaiguri Division	Plantation works, Awareness and active association in protection against poaching and illicit felling of timber, Establishment and management of decentralised nurseries, etc.	1946921.00	Plantation works, Awareness and active association in protection against poaching and illicit felling of timber, Establishment and management of decentralised nurseries, etc	1946921.00
	Total-FDA		1946921.00		1946921.00
RKVY/SFDA	Buxa Tiger Reserve (East)	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	110000.00	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	110000.00
	Gorumara WL		1941000.00		1884912.00
	Darjeeling WL		3775000.00		3775000.00
	Panchet Division		3456000.00		3456000.00
	Darjeeling Forest Division		6778875.00		5490588.00
	Baikunthapur Division		2081000.00		2081000.00
	Jalpaiguri Division		2058000.00		2058000.00
	Total-RKVY		20199875.00		18855500.00
	13th Finance Commission		Gorumara WL		Afforestation and regeneration, habitat improvement, infrastructure maintenance and development, reduction of man-animal conflict, etc.
Bankura (North) Division		2650000.00	2650000.00		
Total-13thFC		3900000.00	3856000.00		
CAMPA	Darjeeling WL	Habitat improvement, etc.	1983980.00	Habitat improvement, etc.	1983980.00
	Gorumara WL		Total allotment for last 3 years Rs. 11616290		832529.00
	Total-CAMPA		1983980.00		2816509.00

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
RIDF	Darjeeling WL	Watershed development, Plantation, Nursery, etc.	12926000.00	Watershed development, Plantation, Nursery, etc.	12926000.00
	Gorumara WL		12833000.00		11711797.00
	24-Parganas (South)		4029000		4008424
	Panchet Division		100000		100000
	Jalpaiguri Division		22575000		10145328
	Total-RIDF		52463000.00		38891549.00
Geetanjali	Sundarban Tiger Reserve	Housing for economically weaker section	5722920.00	Housing for economically weaker section	4536000.00
	Jalpaiguri Division		16528360.00		10323518.00
	Total-Geetanjali		22251280.00		14859518.00
IFM	Darjeeling WL	Plantation, Nursery, etc.	251000.00	Plantation, Nursery, etc.	251000.00
	Gorumara WL		359500.00		359500.00
	Panchet Division		250000.00		250000.00
	Total-IFM		860500.00		860500.00
WBFBCP/ JICA	Rupnarayan Division	Elephant Drive	875000.00	Elephant Drive	875000.00
	Total-JICA		875000.00		875000.00



7.02 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. 13th Finance Commission:** The Thirteenth Finance Commission (FC-XIII) was constituted by the President under Article 280 of the Constitution on 13 November 2007.

- 13. 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.
- 14. National Rural Employment Guarantee Scheme (NREGS):** The National Rural Employment Guarantee Scheme has been launched in more than 150 most backward districts of the country, identified by the Planning Commission in consultation with the Ministry of Rural Development and the State Governments. This Programme was formerly known as National Food for Work Programme. The programme is being implemented as a 100% Centrally Sponsored Scheme.



Chapter-8

Achievers in the field of Wildlife Conservation





8.01 Wildlife Conservation Awards, 2015:

The State Wildlife Conservation Awards are given for significant contribution in the field of wildlife conservation. The award recognizes outstanding accomplishment by the Forest Officers (upto the Rank of ACF), Forest Staff, NGOs, Community, Panchayat Samity, Joint Forest Management Committees (JFMC) and individuals currently working in the field who have displayed extraordinary courage, dedication and determination in the field of wildlife conservation. The following personnel were awarded during Wildlife Day 2015 celebrated on 8th December 2015 at Lataguri.

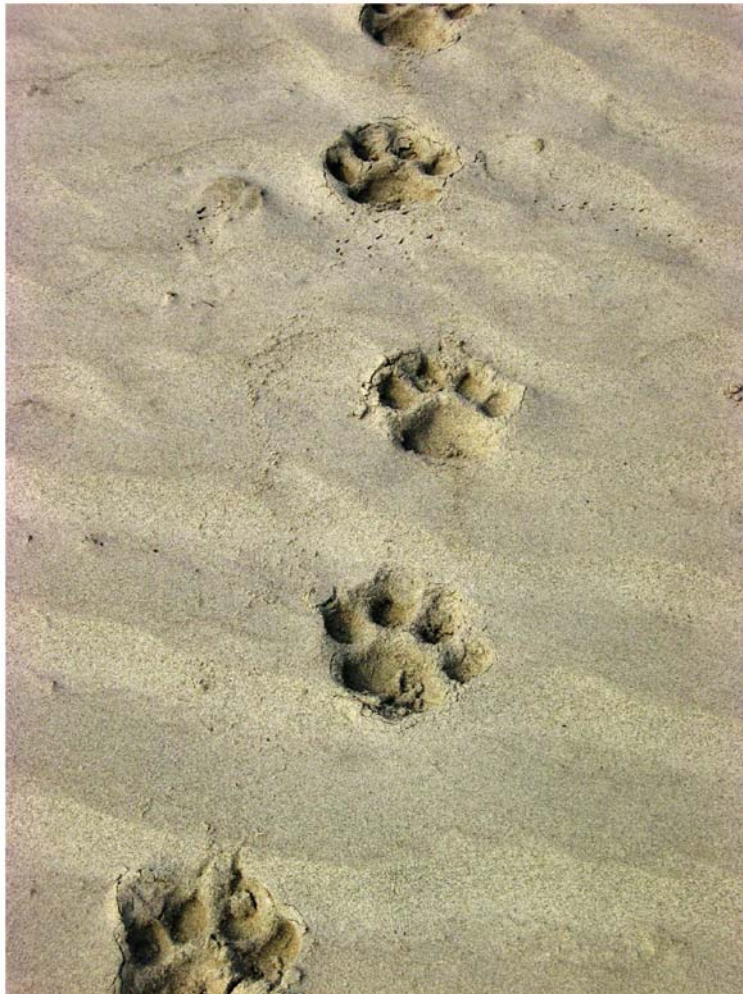
Award for Protection of Wildlife	
Divisions	Awardees
Baikunthapur Division	<ol style="list-style-type: none"> 1. Shri Sanjoy Dutta, Range Officer, Belacoba, Baikunthapur Division. 2. Shri Dipak Roy Pradhan, Forest Guard, Belacoba, Baikunthapur Division. 3. Shri Manu Paul, Forest Guard, Belacoba, Baikunthapur Division. 4. Shri Ananta Kumar Roy, Banoshramik, Belacoba, Baikunthapur Division. 5. Shri Nilkanta Roy, CDL, Belacoba, Baikunthapur Division. 6. Shri Chitta Roy, CDL, Belacoba, Baikunthapur Division. <p>Police Personnel: -</p> <ol style="list-style-type: none"> 1. Shri Akash Magharia, IPS, Superintendent of Police, Jalpaiguri 2. Shri Pravat Chakraborty, WBPS, Dy. Superintendent of Police, Jalpaiguri. 3. Shri Bhim Saibo, WBAP/1062 4. Shri Sanjoy Tirkey, C/1010 5. Shri Sachin Toppo, C/968 6. Shri Rajen Toppo, C/631 7. Shri Bifal Ch. Sarkar, C/610 8. Shri Sunil Subba. C/1024 9. Shri Lendup Bhutia C/1157 10. Shri Goutam Sen, C/340 11. Shri Pappu Limbu, C/1023
Wildlife Conflict Management Award	
Gorumara Wildlife Division	Wildlife Squad-III, Binnaguri, Gorumara Wildlife Division
Sundarban Tiger Reserve	Shri Niranjana Mandal, Prodhan, Kumirmari Gram Panchayet
Conservation Awareness Award	
Gorumara Wildlife Division	Smt. Sima Chowdhury, Honory Wildlife Warden, Jalpaiguri District
Participatory Wild Life Management Award	
Sundarban Tiger Reserve	Binapani Juba Sangha Club, Dayapur, South 24-Parganas

Award for Protection of Wildlife	
Divisions	Awardees
Award for Rescue of Wild Animals	
Buxa Tiger Reserve (West)	<ol style="list-style-type: none"> 1. Shri Amar De, Assist. Field Director, Buxa Tiger Reserve (West) 2. Smt. Manjula Tirkey, ADFO, Buxa Tiger Reserve (West) 3. Shri Chandan Dey, Range Officer, East Damanpur Range, Buxa Tiger Reserve (West) 4. Shri Pankaj Thapa, Officer-in-Charge, Samuktala Police Station 5. Dr. Deepak Sharma, Veterinary Officer, Buxa Tiger Reserve 6. Shri Bhaskar Roy, Sub-Officer, Alipurduar Fire Station, 7. Shri Jiten Karji, Range Officer, Mobile Squad-I Range, Buxa Tiger Reserve (West) 8. Shri Sankar Chhetri, Dy. Ranger/Forester, Buxa Tiger Reserve (West) 9. Shri Marshel Xaxa, Dy. Ranger/Forester, Buxa Tiger Reserve (West) 10. Shri Ratan Chettri, Head Forest Guard, Buxa Tiger Reserve (West) 11. Shri Birendranath Das, Head Forest Guard, Buxa Tiger Reserve (West) 12. Shri Patrash Oraon, Forest Guard, Buxa Tiger Reserve (West) 13. Shri Ratan Hore, Banoshramik, Buxa Tiger Reserve (West) 14. Shri Nil Rava, Banoshramik, Buxa Tiger Reserve (West) 15. Shri Ajit Dakua, Head Forest Guard, Buxa Tiger Reserve (West) 16. Shri Ashok Malakar, Forest Guard, Buxa Tiger Reserve (West) 17. Shri Rajat Sarkar, Forest Gaurd, Buxa Tiger Reserve (West) 18. Shri Sambhu Das, PDL, Buxa Tiger Reserve (West) 19. Shri Debdulal, PDL, Buxa Tiger Reserve (West) 20. Shri Biswajit Dhar, PDL, Buxa Tiger Reserve (West)
	<ol style="list-style-type: none"> 1. Shri Biraj Pradhan, Asst. Manager, Chuapara Tea Estate, 2. Shri Bir Singh Lama, Officer-in-Charge, Fire Station, Hamiltongunj, 3. Shri Kashyap Rai, S.I., O.C. Jaigaon, 4. Shri Jagannath Ganguly, Forest Ranger, Buxa Tiger Reserve (West) 5. Shri Himangshu Mohan Debnath, Forest Ranger, Buxa Tiger Reserve (West) 6. Shri Ananda Biswas, Dy. Ranger/Forester, Buxa Tiger Reserve (West) 7. Shri Yana Rai, Head Forest Guard, Buxa Tiger Reserve (West) 8. Shri Dal Bahadur Sapkata, Head Forest Guard, Buxa Tiger Reserve (West) 9. Shri Taraknath Roy, Forest Guard, Buxa Tiger Reserve (West) 10. Shri Sunit Oraon, Forest Guard, Buxa Tiger Reserve (West) 11. Shri Gopal Chettri, Banoshramik, Buxa Tiger Reserve (West) 12. Shri Sane Lama, Banoshramik, Buxa Tiger Reserve (West) 13. Shri Gopal Mahata, Banoshramik, Buxa Tiger Reserve (West) 14. Shri Fagu Tigga, Banoshramik, Buxa Tiger Reserve (West) 15. Shri Lupeswar Rava, Banoshramik, Buxa Tiger Reserve (West) 16. Shri Ranjit Bhattacharjee, PDL, Buxa Tiger Reserve (West) 17. Shri Bapi Ghosh, PDL, Buxa Tiger Reserve (West) 18. Shri Dilip Chowdhury, PDL, Buxa Tiger Reserve (West) 19. Shri Suraj Chettri, PDL, Buxa Tiger Reserve (West) 20. Shri Niranjan Basumata, Head Forest Guard, Buxa Tiger Reserve (West)



Chapter-9

Eco-tourism





9.01 Eco-tourism

List of Forest Rest Houses under Wildlife Wing

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

Tourist visits during 2015-16:

Name of Eco-tourism site (PA / Zoo / Eco-Park / NIC, etc.)	Indian	Foreigner	Revenue earned (in Rs.)
Singhalila National Park	7945	1537	1686360.00
Mahananda Wildlife Sanctuary	1420	7	77550.00
Senchal Wildlife Sanctuary	660	52	36064.00
Nature Interpretation Centre, Sukna	3218		27865.00
Eco-tourism, Senchal Wildlife Sanctuary	542		558600.00
Buxa Tiger Reserve (West) Division	73906	29	6654500.00
Buxa Tiger Reserve (East) Division	55582	1	435680.00
South Khairbari Eco-Park	63950		1923564.00
Elephant Riding-Jaldapara NP	9777	269	7407770.00
Car Safari-Jaldapara NP	40524	319	4483965.00
Trolley Line Jaldapara NP	4476	4	479610.00
Day visit Jaldapara NP	4476	6	501635.00
Kunjanagar Eco Park	73752		1710555.00
Kodalbasti Car Safari & Elephant riding	7471	21	1229900.00
Chilapata Car Safari	7505	16	841250.00
Chilapata Rest House	22		2850.00
Mendabari Jungle Camp Lodge	872		486196.00
Lankapara Eco Cottage	101		124100.00
Nilpara Eco Cottage	9		1650.00
Jaldapara National Park	3604	3	406500.00
Bardhaman Zoological Park, Burdwan	110068		533690.00
Lataguri Eco-tourism	41723	266	1597415.00
Rasik Beel Mini Zoo	100000		957000.00
Kholta Eco Park	35000		343490.00
Neora Valley National Park (Day visit NVNP / Trekking entry half)	1776	41	112710.00
Neora Valley National Park (Lower Noera Range)	227		17580.00
Gorumara NP (Day Visitors), Chapramari WLS (Day Visitors) & Neora Valley NP	73639	216	2862111.00
NIC, Birbhum	44293	10031	557623.00
Junglemahal Zoological Park	124663		1161940.00
Hizli Eco-Park	96162		465810.00
Jhalda, Matha & Ajodhya	831		215800.00
Sundarban Tiger Reserve	181992	3466	19501460.00
Sundarban Wild Animal Park, Jharkhali, 24Pgons(S)	135705		5475780.00
Kalash, Ramganga	1772		137720.00
Bonnie Camp, Raidighi	20366		2148340.00
Chintamani Kar Bird Sanctuary, Baruipur	8290		408310.00
Crocodile Project, Bhagabatpur	38785		380212.00
Bakkhali	70800		688800.00
Attached Forest Range Office, Alipur, 24 Parganas (South) Division	305		75800.00
Bibhutibhushan Wildlife Sanctuary	14020		949450.00
Total	1460229	16284	67667205.00

Eco-Cottages at Jayanti boosting Tourism

Jayanti is a beautiful scenic small settlement situated on the bank of meandering the River Jayanti, forming a natural international border with the Bhutan hills. This somewhat off-beat destination is fast becoming immense popular as an Eco-tourism hot spot. Jayanti is famous for its rich variety of wild life and most exotic scenic beauty. The breath taking looks of the great Himalayan mountain range in Bhutan, can be seen from this hamlet.

This year six numbers Tourist Cottages have been constructed with a project cost of Rs.34.35 Lakhs to accommodate the tourists coming to this beautiful picturesque place all round the year and have been made operational by the West Bengal Tourism Development Corporation Limited.

The beautiful Forest Rest House, that was once one of the attractions of Jayanti, which was miserably destroyed by a deadly fire has again been re-constructed this year on the bank of river Jayanti with a project cost of Rs.59.33 Lakhs. Both these projects were inaugurated by Honourable Chief Minister of West Bengal.

Eco-tourism aspects

Eco-tourism may be developed in Sal Kumar Gate area in Jaldapara National Park by self Eco-Tourism development and it will help to generate employment opportunity and divert their livelihood from forest to tourism activities.

Jhargram Ecotourism Centre: is situated at Bandarbhola Beat area of Jhargram Range. Presently it is managed by WBFEC Ltd. The centre provides stay facilities to eco tourists visiting Jhargram and adjacent forest areas. The centre also contains attractions like art gallery (ongoing), handicraft section (ongoing) and open theatre for conducting tribal dance and other facilities.

Hatibari Ecotourism Centre: Hatibari Ecotourism Centre is situated on the bank of Subarnarekha River at Hatimari Beat of Hatibari Range. The centre provides stay facilities to eco-tourists visiting Hatibari and provides an opportunity for bird watching. The centre also contains attractions like open theatre for conducting tribal dance and other facilities.

Gragra Falls: Gragra Falls is situated at Belpahari Beat of Belpahari Range. This is a picnic spot of great attraction and retains water throughout the year. Surrounding compact forests adds to the beauty of water fall.

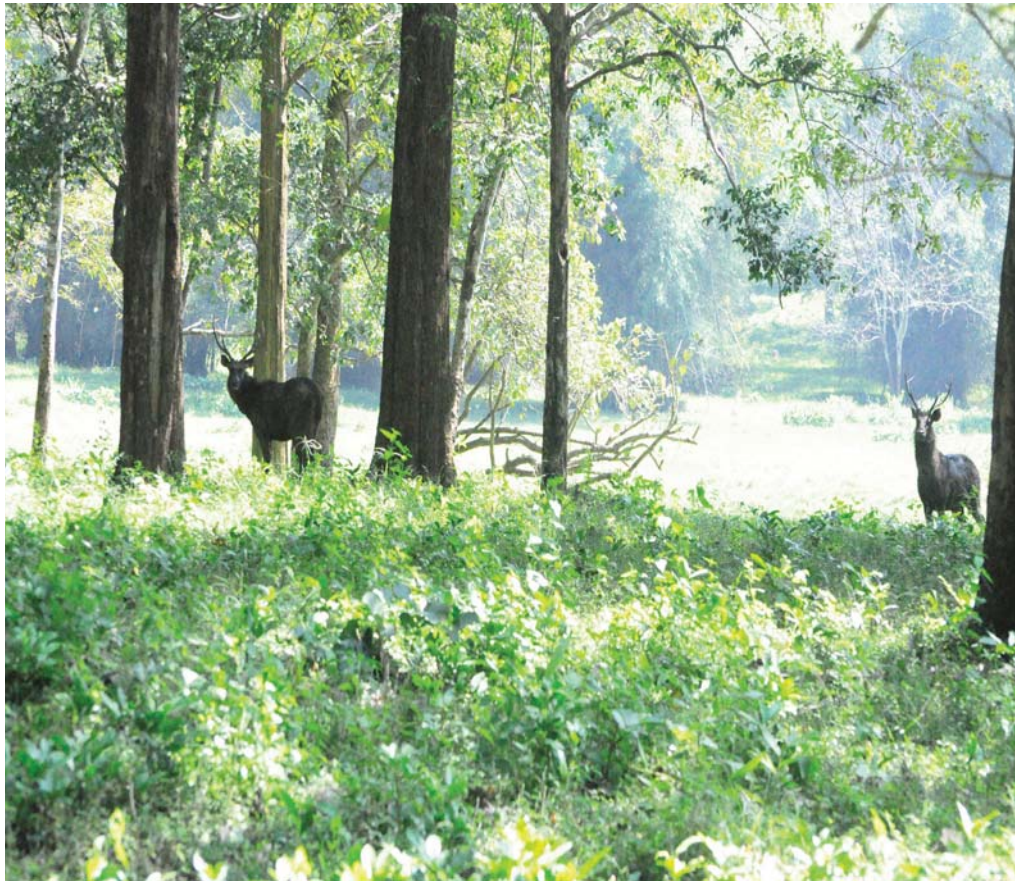
Khetki Jhorna: Khetki Jhorna is situated at Odulchua Beat of Bhulabheda Range. It is surrounded by beautiful Sal forests. This beautiful wetland harbours wide variety of flora and fauna.

Kankrajhore Nature Trekking Route: This trekking route from Kankrajhore Beat Office to Bhulaveda is having a total length of 15 km. This trekking route provides unique opportunity to walk through dense Sal forests and bird watching.

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 (Online)
1. Entry Fee (Age > 5 yrs .) (Children of Age less than 5 yrs FREE) * Same rates are applicable for foreigners			
		(a) Adults	60.00
	For All Protected Areas	(b) Student (In group of minimum 20 students with application form head of the institution)	10.00
		(c) Foreigner	200.00
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
6. Elephant Ride / Bullock Cart Ride			
	For All Protected Areas	Bullock cart ride - per cart per person	100.00
		Elephant Ride Per Head	800.00
		For foreigner	1000.00
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

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 for dedicated guides retention annual charges		15000.00	
	Elephant Camp visit per person	For Indian	50.00	
		For foreigner	200.00	
	Sufury ride	Per person	100.00	
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	



Chapter-10

Training and Awareness Programme





10.01 Training and Awareness generation 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 sensitisation and skill upgradation 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 have been organized to strengthen the collaboration between Wildlife Wing and various wildlife law enforcement agencies. Large number. of Training programmes have also been organised 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 2015-16, are as follows:

Date	Location	Topic	Organized by	No. of participants
16.09.2015	Sajnekhali, STR	Tranquilizing Training	STR	06 Nos
04.08.2016	Sundarban Wild Animal at Jharkhali, STR	Tranquilizing Training	STR	10 Nos
22.09.2015	Jaldapara Range Complex, Jaldapara NP	Training of Mahut & Patawala	Jaldapara WL Div.	21 Nos.
29.10.2015	Sajnekhali, STR	E- Patrol Training	STR	
06.01.2016.	Sajnekhali, STR	Camera Trapping Training	BY- WWF Personnel	
01.08.2016	Sajnekhali, STR	E- Patrol Training	STR	

Date	Location	Topic	Organized by	No. of participants
01.02.2016	Sajnekhali, STR	Traning Programe of Eco - Guides	By- Management Experts	
Feb-16	Sajnekhali, STR	Training Program of Spoken English	BY - Experts	
28.02.2016 to 03.03.2016	Wetland tour to Kaziranga, Assam and Loktak Lake, Manipur	The study tour helped gathered knowledge about the wetlands and the habitat of birds in Loktak Lake, Manipur as well as the wildlife management in Kaziranga, Assam.	Conservation of Management of Sundarban Wetland in West Bengal	28 Nos.
Jan - March - 16	Various JFMC Areas, STR	Mashroom farming gotary, piggery, "koel" farming, poultry etc, training.	BY- Experts	



Nan - March - 16	Various schools under JFMC areas, STR	Study tour in mangrove forest area	BY - Experts	
19.03.2016	NIC, Rajabhatkhawa	Man-animal Conflict	BTR(E) Division	13
2015-16	Majhiali Camp, Budhram Beat	Awareness meeting for Forest Villages	Gorumara South Range	25 Nos.
2015-16	Dhupjhora Beat Campus	Training of Mahut, Patawalla	Gorumara South Range	40 Nos.
08.04.2015	NIC, Nature Interpretation Centre, Lataguri	Guide Training Prog of Lataguri Range	DFO, GWD, Jalpaiguri	25 Nos.

Date	Location	Topic	Organized by	No. of participants
14.09.2015	NIC, Nature Interpretation Centre, Lataguri	Training Programme of WB Forest School, Dowhil	DFO, GWD, Jalpaiguri	21 Nos.
09.02.2016	NIC, Nature Interpretation Centre, Lataguri	Training with Guide & Jeepsy Drive	DFO, GWD, Jalpaiguri	33 Nos.
20.02.2016	NIC, Nature Interpretation Centre, Lataguri	Training on Horticulture With EDC Members	DFO, GWD, Jalpaiguri	34 Nos.
18.03.2016	NIC, Nature Interpretation Centre, Lataguri	Man- Animal Conflict with special Identification of Elephants & Other Wildlife	DFO, GWD, Jalpaiguri	62 Nos.
29.04.2015	Upper Kalabari Village	Awareness on Wild Animal Protection and C.O. Operate to Staff	W.L.S.-III Binnaguri Range.	30 Nos.
07.11.2015	Kar Bala T.G.	Awareness on Wild Animal Protection and C.O. Operate to Staff	W.L.S.-III Binnaguri Range.	40 Nos.
30.12.2015	Haldibari T.G.	Awareness on Wild Animal Protection and C.O. Operate to Staff	W.L.S.-III Binnaguri Range.	35 Nos.



14.01.2016	Deumali Village	Awareness on Wild Animal Protection and C.O. Operate to Staff	W.L.S.-III Binnaguri Range.	30 Nos.
25.02.2016	Red Bank T.G.	Awareness on Wild Animal Protection and C.O. Operate to Staff	W.L.S.-III Binnaguri Range.	45 Nos.

Date	Location	Topic	Organized by	No. of participants
19.03.2016	Chilaune Forest Busty	Awareness Programmers on wildlife	Lower Neora Range	250 Nos.
21.03.2016	Chilaune Tea Garden	Awareness Programmers on wildlife	Chilaune Tea Garden Manager	300 Nos.
Jan to March 2016	Koraibari Community Hall, Gulma Beat, West Range, MWLS	Motor Driving, Beautification, Computer Training	North Bengal Art Academy, Siliguri	62 Nos.
16.07.2015 to 17.07.2015	Sitla High School, Barjora Range; Jorsal High School, Beliatore Range and Pathormora High School, Sonamukhi Range	Awareness Programme on "Living with Harmony-Coexistence of Human & Elephants in South West Bengal	Bankura (North) Division	600 students with School teachers
13.03.2016	Bibhutibhusan Wildlife Sanctuary	Nature	Astha Communication & Birbhum Division	62



Chapter-11

Highlights of Important Events





11.01 Observation of Wildlife Day, 2015:

The Wildlife Day 2015 was celebrated throughout the State of West Bengal on 08.12.2015 to generate awareness among common people on Wildlife & Biodiversity Conservation. The state level function organised at Lataguri, Jalpaiguri in North Bengal. Many awareness programs were undertaken in the different districts of West Bengal. Among other programs in the districts, certificates and mementos were given to persons who had shown exemplary courage and temperament for Wildlife Protection and Conservation.

11.02 10th Meeting of the State Board for Wildlife

Tenth Meeting of the State Board for Wildlife, West Bengal was held on 08th October, 2015 at 11:30 AM in the Conference Room on the 13th Floor of NABANNA, Howrah. Due to preoccupation of the Hon'ble Chief Minister, West Bengal & Chairperson, State Board for Wildlife, Shri Amit Mitra, Hon'ble Finance Minister, West Bengal presided over the meeting, Co-chaired by the Hon'ble Forest Minister, West Bengal.

11.03 1st Dialogue between India and Bangladesh for Trans boundary Conservation of Elephants held from 19th to 20th August, 2015 at Kolkata, West Bengal:

The 1st dialogue between India and Bangladesh Forest Departments for trans-boundary elephant conservation elephants was held from 19th to 20th August, 2015 at Swissotel Hotel, Kolkata, West Bengal under the Chairmanship of Shri Vinod Ranjan, Additional Director General of Forests (Wildlife), Ministry of Environment, Forests and Climate Change, Government of India. Chief Wildlife Wardens of States bordering Bangladesh with elephant population, namely Assam, Meghalaya, Tripura and West Bengal, participated in the dialogue.

A 10 member delegation from Bangladesh was led by Mr. Mohammed Yunus Ali, Chief Conservator of Forests, Government of Bangladesh.

11.04 First Meeting of West Bengal Wildlife Crime Control Coordination Committee held on 15.05.2015 in the Conference Hall of Office of the Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, West Bengal, Bikash Bhawan, 3rd Floor, North Block, Salt Lake, Kolkata – 700 091.

First meeting of the West Bengal Wildlife Crime Control Coordination Committee was held on 15.05.2015 in the Conference Hall of the PCCF, Wildlife & CWLW, West Bengal, Bikash Bhawan, Kolkata. The meeting was chaired by Shri Azam Zaidi, IFS, Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, West Bengal. Officers of Customs, Coast Guard, BSF, CISF, SSB, WCCB, KoPT, ZSI, DRI, IB, Railways, CID and several officers of State Forest Department were present in this meeting.



It was decided to have 2 (two) Wildlife Crime Control Units, one in North Bengal at Siliguri and another one at Kolkata for South Bengal to keep an eye-on and control wildlife crime in the region.

The members present were requested to nominate the representative of the respective departments for Wildlife Crime Control Unit, North Bengal as well as South Bengal. It was decided that the meeting of the West Bengal Wildlife Crime Coordination Committee shall be held every 6 (six) months, whereas that of North and South Bengal shall meet every 3 (three) months.

11.05 Poaching of Endangered Animals during 2015-16 in West Bengal:

One elephant, one leopard, two Gaur and two rhinos had been killed by poachers during 2015-16. Details are as follows:

- One Tusker killed on 08.04.15 at Panbari-2 Comptt., Panbari (North) Beat under East Rajabhatkhawa Range of Buxa Tiger Reserve (West) Division. The elephant injured due to gun shot and died later (as the bullet had not punctured the heart) at deep inside the jungle, so the poachers could not track the elephant after firing bullet. Decomposed carcass about 20-25 days old, detected, both tusks were intact, an improvised bullet was found in the thoracic region by using metal detector.
- One Male, Adult Rhino killed on 04.07.15 at Bania 1a Comptt., Chilapata Beat under Chilapata Range of Jaldapara Wildlife Division. Carcass detected with bullet injury and the horn was found missing, FIR lodged at Alipurduar P.S. Another Male, Adult Rhino killed on 06.08.15 at Jaldapara-5

Comptt. of Hollong Beat under Jaldapara West Range of Jaldapara Wildlife Division. Horn was chopped off by the miscreants. As per Post Mortem report the death of rhino was due to cardio-respiratory failure with cranial damage as a consequence of fire arm injury. On 09.08.16 a person named Shyamal Subha, 35 years, S/o- Sunil Subha, Vill- Umacharanpur, P.S.- Falakata, Dist- Alipurduar arrested with 2 Rhino horns. One accused Sri Gearge Soren, S/o- Late Haber Saron, Vill - Bamanpara (D. Satali), P.S.- Kalchini ,Dist- Alipurduar was also arrested with a Rhino horn from Baman Para, Dakshin Satali on 30.10.15.

- A Gaur (Female, Sub-Adult) killed at Chapramari-II Comptt., near Sardi Line under Gorumara North Range of Gorumara Wildlife Division on 29.08.15. The cause of death of bison was found due to shock and pain and internal haemorrhages as a consequence of gun shot injury. The other incident happened on 08.12.15 when a Male, Adult Gaur was found killed at Newlands-1 Comptt. of Newlands Beat under Kumargram Range of Buxa Tiger Reserve (East) Division, the death was due to internal haemorrhage & traumatic shock resulting from extensive injury caused by sharp pointed object (metal arrow).
- A Leopard (Male, Adult) was trapped and poached at Gudamdabri-I Comptt. near Gopal Bahadur Busty, Bharnabari Beat under Hamiltonganj Range of Buxa Tiger Reserve (West) on 15.03.16.

11.06 Retaliatory Killing of Wild Elephant by electrocution during 2015-16:

A total of 14 elephants killed due to electrocution in West Bengal during 2015-16. Details are as follows:

- A Male, Sub-adult (Tusker) found dead in an open field near village Dudhimukha of Mouza Godardihi under Sangrampur Beat of Barjora Range under Bankura (North) Division on 19.04.15. Burning sign on trunk portion noticed, An FIR lodged in Beliatore P.S. against 4 persons.
- A carcass of Female, Sub-adult found on 07.06.15 at Lanka Khas area under Lankapara Range of Jaldapara Wildlife Division. The Post Mortem of the elephant reveals that the death was due to Cardio-respiratory failure, cranial damage resulting from hypo volumic shock caused by electrocution.
- On 07.07.15, a Male, Adult elephant found dead at Khokla Busty, RMT-1 Comptt., Rangamati Beat under Hamiltonganj Range of Buxa Tiger Reserve (West). An FIR lodged with Jaigaon Police Station.
- A carcass of Female, Adult Elephant found near Pipe Line (Dhipa Line) at Dharanipur Tea Estate under Khunia Wildlife Squad of Gorumara Wildlife Division on 10.07.15. The death was due to electrocution.
- A dead body of a Male, Tusker found at Satali Nakadala Village, Mendabari Beat under Chilapata Range of Jaldapara Wildlife Division on 07.09.15. It died due to cardio-respiratory failure resulted

from hypovolumic shock as a cause of electrocution.

- On 11.09.15, a carcass of one Sub-adult, tusker detected at a paddy field at Mouza-Kantapasia, Beat-Belboni, Range-Bankura North under Beliatore P.S. of Bankura (North) Division. An FIR lodged at Beliatore P.S. against 2 persons, on the basis of FIR (Case No. 92/15 dt. 11.09.15) Beliatore P.S. arrested 2 persons on 11.09.15 and sent to the Court.
- A carcass of Male, Adult elephant found at Pattidura Revenue Village of Barodighi Beat under Lataguri Range of Jalpaiguri Division on 10.10.15. The cause of death due to shock arises out of electrocution. An FIR lodged by RO, Apalchand Range.
- A carcass of Sub-Adult, Male Elephant detected on 15.10.15 in the paddy field of Sri Narayan Hembram of Baishnaband village about 15 mt. away from the forest boundary of Manikbazar Beat under Sonamukhi Range of Bankura (North) Division. The death was due to touch with live electric fencing which was erected illegally by the villagers around their paddy field. An FIR lodged against Sri Narayan Hembram at Sonamukhi P.S. on 15.10.15.
- A Male, Sub-adult elephant found dead in a paddy field near village Anantabati, Mouja-Indkata, Indkata Beat near Sonamukhi Range of Bankura (North) Division on 21.01.16. An FIR lodged (No. 355/SM 15) against three persons namely 1) Sri Paban Ghosh, S/o Late Balaram Ghosh, 2) Sri Bakul Ghosh, S/o Late Balaram Ghosh, 3) Santosh Ghosh, S/o Late Balaram Ghosh, Vill. Anantabati, P.S.Sonamukhi.
- A carcass of female, Adult elephant detected in a paddy field near village Anantabati, Sali river side, Mouza-Nobasone, Vill. Nobasone, of Beliatore Beat under Beliatore Range of Bankura (North) Division on 26.01.16. An FIR (No. 55/BT-15) lodged against one person namely Sri Tapas Chowdhury, S/o Late Bhutnath Chowdhury, Vill. Nabason, P.S.Beliatore.
- Two carcasses of Female, Adult elephants found lying on potato field near Naran Sundori village, about 500 mt. away from the forest boundary of Manikbazar Beat under Sonamukhi Range of Bankura (North) Division on 27.01.16. An FIR lodged (No. 363/SM 15) against four persons namely 1) Sri Bangsi Paramanik, S/o Late Gagan Paramanik, 2) Sri Sudhansu Ghosh, S/o Late Kalipada Ghosh, 3) Sri Subal Ghosh, S/o Late Kinkar Ghosh, 4) Sri Swarup Ghosh, S/o Subal Ghosh of Vill. Narayansundari, P.S. Sonamukhi.
- A Male, Tusker found dead at Mouja-Lalbazar, GP-Khararia near village of Lalbazar of Barjora P.S. of Bankura (North) Division on 31.01.16. The death was due to contact with a high tension 11000 volt overhead electric wire.
- A carcass of male, Adult elephant found at Keranipara, Purba-duramari under Moraghat Range of Jalpaiguri Division on 15.02.16. The death was due to electrocution.

11.07 North Bengal Wild Animals Park



In view of spreading the knowledge about the diversity of wild fauna available in the northern part of the State of West Bengal a Safari Park called North Bengal Wild Animals Park has been established and inaugurated by Honourable Chief Minister of West Bengal on 21.01.2016. The Dabgram 1&4 Compartments have been chosen for creation of this park (commonly known as Bengal Safari Park) to showcase the Bio-diversity of North Bengal. An area of 297 hectare has been identified for the establishment of the park at Siliguri. The area is largely plain with thick to sparse vegetation providing ideal habitat for the wild life. It is very well connected by road, rail and air. At present only Herbivore Safari is operational. The Park has at present 174 nos. of Mammals of 5 species namely Spotted Deer, Barking Deer, Sambhar, Nil Gai and Rhinoceros with 15 nos. birds of 3 species.



11.08 Rhino Translocation :

A male Rhino (*Rhinoceros unicornis*), aged about 15 years @ Kanchera, had strayed away from Gorumara National Park during 2010 and was roaming in the area of Baikunthapur Division and visiting human establishment frequently. Hence, the said Rhino was allowed by the PCCF, Wildlife and CWLW, WB, to be translocated to a safer place after performing chemical immobilization following standard safety norms.

The said Rhino was tracked continuously by the staff of Mahananda WLS and Baikunthapur Division for over a month on daily basis. The Rhino could not be physically sighted after 04.12.2015 although its indirect evidences indicated movement in Baikunthapur Division areas until 10.12.2015 evening. At last it was sighted in Babuji Ka Bundh near Chumuk Dangi village under Mahananda WLS on 11.12.2015. On 12.12 2015 morning, the operation to tranquilise the Rhino started led by Sri S.Pal Choudhury, Technical Assistant along with Dr. Bibhav Talukdar of IUCN and Sri Kaushik Barua of Aranyak(NGO) supported by Officers and Staffs of Baikunthapur and adjoining Divisions under the guidance of Sri N.S.Murali, IFS, CCF, Wildlife, North. The Rhino was knocked down after it was darted for third time. After the animal fell down it was checked that the right animal had been tranquilised. It was a male Rhino with shoulder height of 70cm, chest girth of 280cm, body length of 336cm, horn length of 13cm and horn diameter of 12cm with a notch in the left ear, that's why it was called Kanchera. After putting inside the cage, the Rhino was revived and it was fully fit. Then it was taken by truck to North Bengal Wild Animals Park, Siliguri and was released inside the power fenced herbivore enclosure.

11.09 Rescue of elephant

11.09.01 One isolated sub-adult male elephant was rescued by the Kharagpur Division from the Mouza-Keyarchand, JL No.29, Beat Keshiari and Range-Belda on 04.05.2015 at 3:30 PM and brought to Jhargram Mini Zoo on the same day for safe custody and rehabilitation. The elephant was later sent to Jaldapara National Park for relocation.

11.09.02 On 13.12.2015, a strayed adult tusker was sighted at Panishala near Raiganj and during movement on way from Panishala to Gokarna, Raiganj the said elephant damaged nos. of huts and injured one person. The Sukna Wildlife Squad along with two kunki elephants was sent to the spot from Darjeeling Wildlife Division. On the next day evening the elephant was sedated near Gazole Block under Malda District and translocated to Mahananda Wildlife Sanctuary.

11.09.03 On 10th February, 2016 an adult Makna strayed out of Dabgram Forests of Baikunthapur Forest Division which is adjoining the town limits of Siliguri in North Bengal. Concerted efforts were made by the staffs to drive it back to the forests but was in vain due to huge gathering of crowd. Siliguri Police was contacted to provide Police support including RAF to control the public. Additional staff were deputed from adjoining Dabgram Range, Sarugara Range, MPP-I Range and Sukna Wildlife Squad.

Permission was accorded by CWLW,WB to tranquilize the Elephant. Accordingly, Wildlife Mobile Squad darted first a 7ml Xylazil dose as suggested by the Veterinary Doctor. After this first dart the animal moved into the basement of a huge shopping complex and remained there for almost 15 minutes as the drug started its effects. Then, on its own the elephant struggled and climbed the stairs of the basement and came out in the road. Observing its excitement, the Veterinary doctor suggested another dose of Xylazil of 3ml. Now, the elephant got sedated. Being risky to keep the elephant under sedation for a longer time, using two cranes and flat nylon belts, the sedated elephant was physically lifted and loaded into a truck and was taken to Mahananda Wildlife Sanctuary.

The elephant was examined by the veterinary Doctor inside the Mahananda Wildlife Sanctuary and long lasting anti-biotic was administered on it before it was revived. The animal walked out in the forests of Mahananda Wildlife Sanctuary at around 2.15pm.

In this whole operation there was no injury/casualty to human or others – only some property were damaged as the place was a congested business center on the busy Sevoke Road.

11.09.04 On 19.03.2016, two elephants (one adult tusker & one sub-adult male) entered in Burdwan Division from Bankura (North) Division crossing the river Damodar. On 20.03.16 inspite of all efforts of the hullah party and staff of the Division, the elephants moved towards further east and the adult tusker killed 4 persons. The adult tusker became very aggressive, restless and started chasing people. It was decided that the adult tusker need immediate tranquilization and translocation to save the human life. On 20.03.16, the elephant was tranquilized at about 4:06 PM at Vill. Putsuri, P.O. Dhenur, P.S. Monteswar, Burdwan District but unfortunately it died at about 10:40 PM. The other sub-adult Male Elephant moved towards Nadia district and sighted on 21.03.16 at 8:00 AM at Juranpur Ghoshpara under Kaliganj Block, P.S.Kaliganj, Nadia. The tranquilization team from Wildlife (HQ) reached the spot and tranquilized the elephant at 4:15 PM. The elephant was loaded in truck and sent to Gorumara National Park.



11.10 Animal Rescued in West Bengal during the year 2015-16

Sl. No.	Species	Number	Sl. No.	Species	Number
1	Bird	3050	18	Elephant	13
2	Snake	1355	19	Leopard	28
3	Turtle & Tortoise	4867	20	Clouded Leopard	1
4	Monitor Lizard	51	21	Gaur	6
5	Spiny Tailed Lizard	43	22	Nilgai	4
6	Jackal	21	23	Sambar	1
7	Monkey	221	24	Barking Deer	18
8	Langur	313	25	Spotted Deer	9
9	Jungle Cat	28	26	Hog Deer	1
10	Fishing Cat	11	27	Crocodile	19
11	Leopard Cat	9	28	Dolphin	4
12	Civet	221	29	Binturong	1
13	Porcupine	1	30	Wild Boar	3
14	Pangolin	1	31	Mongoose	1
15	Chameleon	6	32	Bengal Fox	4
16	Gecko	81	33	Indian Wolf	1
17	Badger	7			
				Total	10400



Rescue and release of Monitor Lizard and Dolphin

Photographs showing activities of Wildlife Conservation in West Bengal



Different Activities In Darjeeling Wildlife Division



Cleaning at Mahanands W L S



Protection Wall Rampuria



Fireline



Meeting



Trail at Rambi



Raid at Mahananda W L S



Causeway at Rambi



Plantation

Different activities in South West Bengal



Electric fencing at Medinipur



Elephant Proof Trench at
Kharagpur Division



Bamboo Plantation at
Bankura (North) Division



Watch Tower at Kharagpur Division

Different activities in Jaldapara Wildlife Division



Construction of wooden Bridge-Hollong



Pilkhana at Bengdaki



Inauguration Asian Rhino meet- MIC Forest



Temporaray bridge to Malangi Beat



Rescue of strayed Bison



Micro plan preparation in Jaldapara EDC



Arrest of Poachers-Jaldapara



Grassland at Bengdaki

Different activities in Gorumara Wildlife Division



Patrolling



Rescue of Bird



Rescue of Leopard



Medical Camp



Captive Elephant



Plantation



Different activities in Sundarban Tiger Reserve



Awareness Programme at Sundarban



Awareness Programme



Training Programme



Awareness Programme



Training of staff at Sundarban



Patrolling



Awareness Programme



Patrolling

Different activities in Wildlife (HQ) Division



CAPTURE & TRANSLOCATION OF RHINO
AT MAHANANDA WILDLIFE SANCTUARY,
DARJEELING WILDLIFE DIVISION



Elephant Identification Training
at Ausgram Range, Burdwan
Division



Tranquillisation Training Workshop
at Hijli Range, Kharagpur Division



CAPTURE & TRANSLOCATION OF
PROBLEM ELEPHANT FROM
BURDWAN TOWN, BURDWAN DIVISION



Verification of Circus Elephants



Annexures





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

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

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



Floral diversity in West Bengal

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



Annexure-3
Year wise record of release of Crocodile Hatchling from Crocodile Project,
Bhagabatpur under 24-Parganas (South) Division

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



Annexure-4

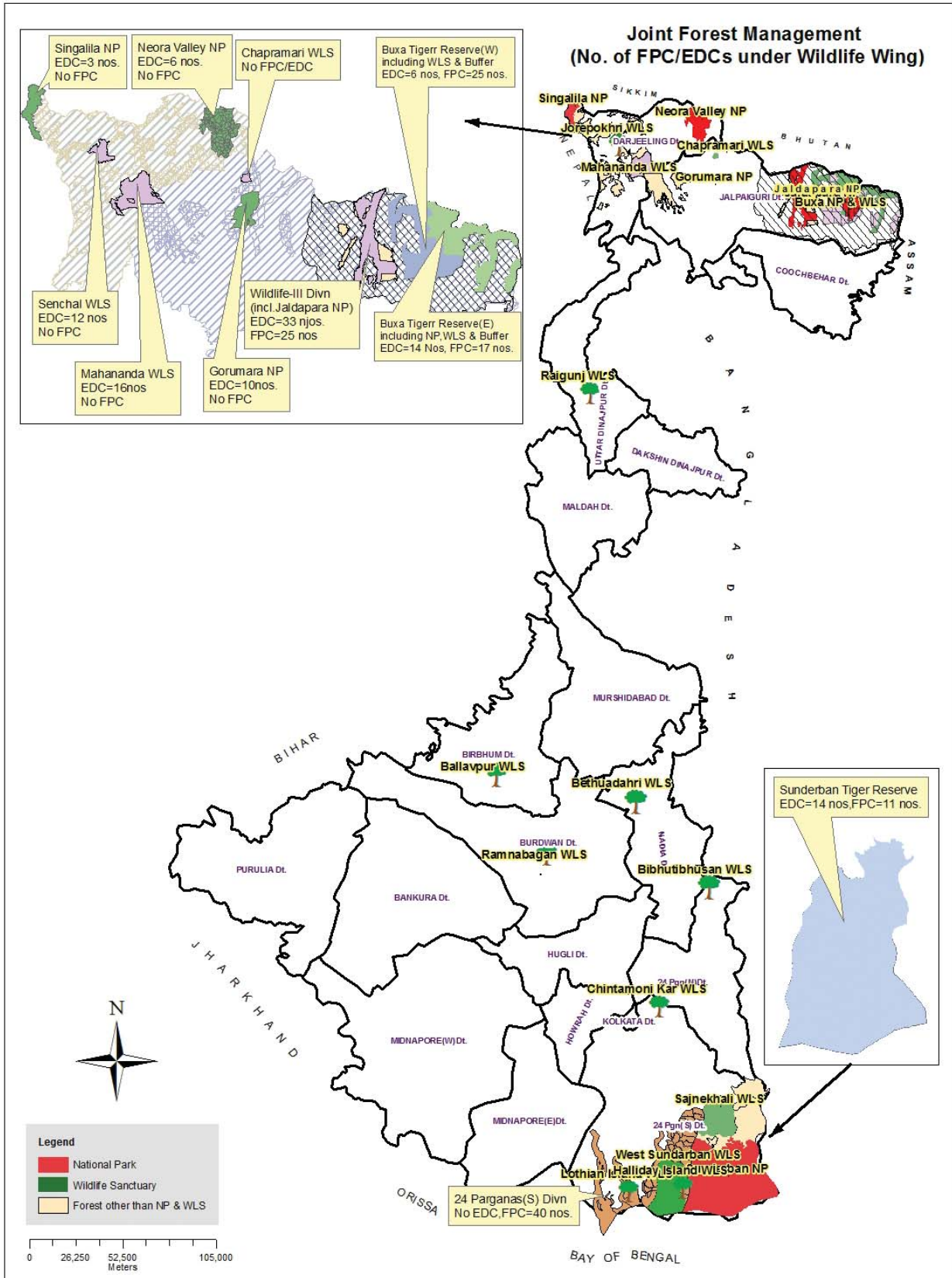
Joint Foest Management

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)	33	25	58	7667	3920	11587	23011.18
Mahananda Wildlife Sanctuary	16	0	16	4961	0	4961	12421.05
Sundarban Tiger Reserve	14	11	25	4483	4065	8548	25194
24-Parganas (South)	0	40	40	0	24664	24664	43734
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	1627	3443	5070	32866.06
Buxa Tiger Reserve (West)	6	27	33	612	4252	4864	25595.80
Grand Total	116	120	236	27003	40344	67347	180615.32

Number of Self-help Groups (SHG)

Darjeeling Wildlife Division = 17 Nos. (Women SHG = 13 Nos.)
 Gorumara Wildlife Division = 23 Nos. (Women SHG = 13 Nos.)
 Jaldapara Wildlife Division = 149 Nos. (Women SHG = 111 Nos.)
 Buxa Tiger Reserve (East) = 252 Nos. (all Women SHG)
 Buxa Tiger Reserve (West) = 165 Nos. (Women SHG = 151 Nos.)
 24-Parganas (South) = 155 Nos. (all Women SHG)
 Sundarban Tiger Reserve = 110 Nos. (Woman SHG = 90 Nos.)



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)	Car-2 Gypsy-1 Van-2 Hired Car-2 Total-7	Walkie Talkie-9	DBBL Gun-1 .315 Rifle-2 0.22 Rifle-1 Pump Action Gun-3 Air Gun-2 Total-9
Darjeeling Division	Wildlife Scorpio-1 GFC-1 Jeep (Mahindra)-6 DI-1 M. Van (seized)-1 TATA Specio (seized)-1 Total-11	Fixed Station (Short Wave-7, Long Wave-16)-23 Mobile Station (Short Wave-14, Long Wave-2)-16 Walkie Talkie (Short Wave-17, Long Wave-9)-26	12 Bore DBBL Gun-54 12 Bore SBBL Gun-5 .315 Rifle-14 0.22 Rifle-4 12 Bore Pump Action Gun-7 Total-84
Gorumara Division	Wildlife Mahindra Scorpio-1 Maruti Zypsy-2 Commander Jeep-2 Mahindra Jeep-2 Bolero Pick-up Jeep-1 TATA DI-207-1 Bolero-1 Bolero Camper-1 Marshal Jeep-1 Motor Cycle-7 Total-19	Fixed Station (Short Wave-8, Long Wave-11)-19, Mobile Station (Short Wave-0, Long Wave-5)-5, Walkie Talkie (Short Wave-8, Long Wave-17)-25	DBBL Gun-33 Pump Action Gun-9 0.315 Rifle-13 Pistol-1 Tranquillising Gun-6 Tele inject-1 Total-63
Jaldapara Wildlife Division	TATA 207-1, 4 wheel SUV-2, Bolero Campa-2, Jeep-3, Truck-2, Mahindra Max-1, TATA 407-1, Qualis-1, Gypsy-2, Bolero-4, School Bus-1, Mahindra Jeep-1, Tractor-1, Motor Cycle-1 Total-23	Fixed Station (Short Wave-17, Long Wave-4)-21, Mobile Station (Short Wave-1), Walkie Talkie (Short Wave-17)-39	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-20 Walkie Talkie-42 Vehicle set-11 GPS set-15	DBBL Gun-52 SBBL Gun-1 Rifle-10 Pump Action Gun-5 Total-68
Buxa Tiger Reserve (East)	Gypsy-2; Scorpio-1; Hired Jeep-3; Hired Pickup Van-1 TATA 407-1; FC Van - Dept. Vehicle-2; Bolero Camper-2; Motor Cycle-11; TATA Sumo-1 (hired); Hired vehicle-1; Total-25	Fixed Station-20 Walkie Talkie-42 Vehicle Set-11 GPS set-15	DBBL Gun-68 SBBL Gun-2 .315 Rifle-21 0.22 Rifle-4 Pump Action Gun-3 Darting Gun-1 Total-99
Sundarban Tiger Reserve	Ambassador-1, Scorpio-1, Gypsy-1, Jeep-1; Motor Cycle-6; Catamaran-1; Mechanized Boat-4; Mechanized Dingi-12; Speed Boat-14; Launch-3; Accommodation Boat-6 Total-50	Fixed Station (Short Wave-64, Long Wave-10)-74, Mobile Station (Short Wave-0, Long Wave-1)-1, Walkie Talkie (Short Wave-75, Long Wave-6)-81, Mobiles-32	Rifle-73 Air Rifle-9 DBBL Gun-40 SBBL Gun-1 Pump Action Gun-9 Total-132
24-Parganas (South)	Tata Sumo-1 Gypsy-1 Mahindra Bolero-1 Total-3	Fixed Station (Long Wave-13), Mobile Station (Long Wave-2), Walkie Talkie (Short Wave-18)-33	Rifle-23 DBBL Gun-18 SBBL Gun-15 Total-56
24-Parganas (North)	NIL	NIL	NIL

Annexure-7

Chemical Immobilisation of Major Wild Animals in West Bengal during 2015-16

SL. No.	Date	Location	Description	Immobilising Drug	Remarks
Tiger					
1	15.11.2015	Mathabhanga	Leopard, 10 yrs, Male		Released in Jaldapara NP
2	20.01.2016	Sitalkuchi	Leopard, 8 yrs, Male		Released in Jaldapara NP
Elephant					
1	21.03.2016	Juranpur, Ghoshpara under Kaliganj Block, P.S- Kaliganj, Bethuadahari Beat of Krishnagar Range	Sub Adult male Elephant	Xylazine & Ketamine	Sent to Garumara WL Sanctuary as per instruction of Dr. R.P.Saini, IFS, Addl. PCCF, Wildlife, WB
2	23.05.2016	Lalgarh Range, Kantapahari Beat, Madhupur Mouza	Male Elephant 18-20 Yrs.	Xylazine-7 ml Addl. Dose 3-4 ml	Fit and fine returned back to its natural habitat
3	08.12.2015	Basudebpur Beat, Pilkhana	Kunki Elephant 13 Yrs, Male	7 ml (3:1 ratio of Xylazine and Ketamine)	Control of erratic behavior four dart used and two failed one party injected.
4	13.12.2015	Nimdanga	Wild Elephant		Sent to Mahananda WL Sanctuary
5	02.05.2015	Nayagram	Elephant, 4-5 Yrs approx.	-	-
6	22.06.2015	Mejhia	Elephant	Xylazine-4.0 ml & Ketamine- 3.0 ml (3 times)	-
7	08.12.2016	Panchet Div.	Elephant	Xylazine-4.0 ml & Ketamine- 3.0 ml (2 times)	-
9	21.03.2016	Juranpur, Ghoshpara under Kaliganj Range, Nadia-Murshidabad Div.	Sub Adult Male Elephant	Xylazine-4.0 ml & Ketamine- 3.0 ml (2 times)	Success
10	03.01.2016	2006 Plantation Near "O" bundh under GSR.	Elephant (T)	Inj. Xylazine-10 ml. Inj. Ketamine-7 ml.	The elephant was injured by fighting with other tusker
11	20.03.2016	Vill-Putsuri at a paddy field, Burdwan	Tusker, Male, 20-24 Yrs.	Immobilon 3.5 ml	Elephant died due to cardiac respiratory failure as per post mortem report
12	14.02.2015	Raiganj Divn. Local area	Tusker, Male,	15 ml Xylazine	release in safe condition
13	10.02.2016	Siliguri sevoke road, Baikanmthapur Divn.	Elephant Makna , Male	12 ml Xylazine 10 ml Reverzine	release in safe condition
T-Tusker, M-Makna					

SL. No.	Date	Location	Description	Immobilising Drug	Remarks
Leopard					
1	08.10.2015	Kumargram TG Labour Line	Male, 20 yrs.	1.0 ml Ketamine, 0.2 ml Xylazine, 0.4 ml Yohimbine for reversal.	Released at NLS-2 comppt., KG Range on 8.10.2015
2	23.07.2015	Chuapara Tea Garden Labour line, Pana Range, B.T.R (East)	Common Leopard, 6-7 yrs, Male, 50 Kgs.	Chemical capture 2.5 ml. ketamine, 0.5 ml xylazine, 1 ml. yohimbine for reversal.	Released at 25th mile tower area West Rvk. Range on 23.07.2015
3	02.03.2016	Dhupguri Station Para	Leopard	Xylazine-1.5 ml. Ketamine-2 ml.	-
4	04.03.2016	Telepara T.E	Leopard	Xylazine-.50 ml. Ketamine-2 ml.	Leopard was trapped in a local made leg hold trap.
Gaur					
1	07.07.2015	Lakhi Para T.E. (Binnaguri)	Indian Gaur, Female, 6 Yrs.	Ketamine-3 ml. Xylazine-4 ml.	-
2	18.12.2015	Majabari Kranti	Indian Gaur, Female, 6-7 Yrs.	Ketamine-3 ml. Xylazine-4 ml.	-
3	18.12.2015	Majabari P.O. Lataguri	Gaur, Male, Adult	Xylazine HCL and Ketamine Combination Xylazine 4 ml. Ketamine-4 ml. by Gun shot injection intramuscularly	-
4	31.01.2016	Changmari	Gaur	Xylazine-12 ml Ketamine-6.98 ml.	-
5	25.03.2016	Sen Para, Lataguri	Indian Gaur, male, 12-13 Yrs.	Ketamine-3 ml. Xylazine-4 ml.	-
6	25.03.2016	Sen Para, Lataguri	Indian Gaur, male, 18 Yrs.	Ketamine-3 ml. Xylazine-4 ml.	-
7	27.03.2015	Baikanthapur Divn. Local area	Bison, Indian Gaur	Ketamine-5ml. Xylazine-6 ml.	release in safe condition



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

F.D. Holding

- (a) Jainty (b) Buxaduar

Annexure-9

Seminar / Workshop organized on Wildlife Management during 2015-16

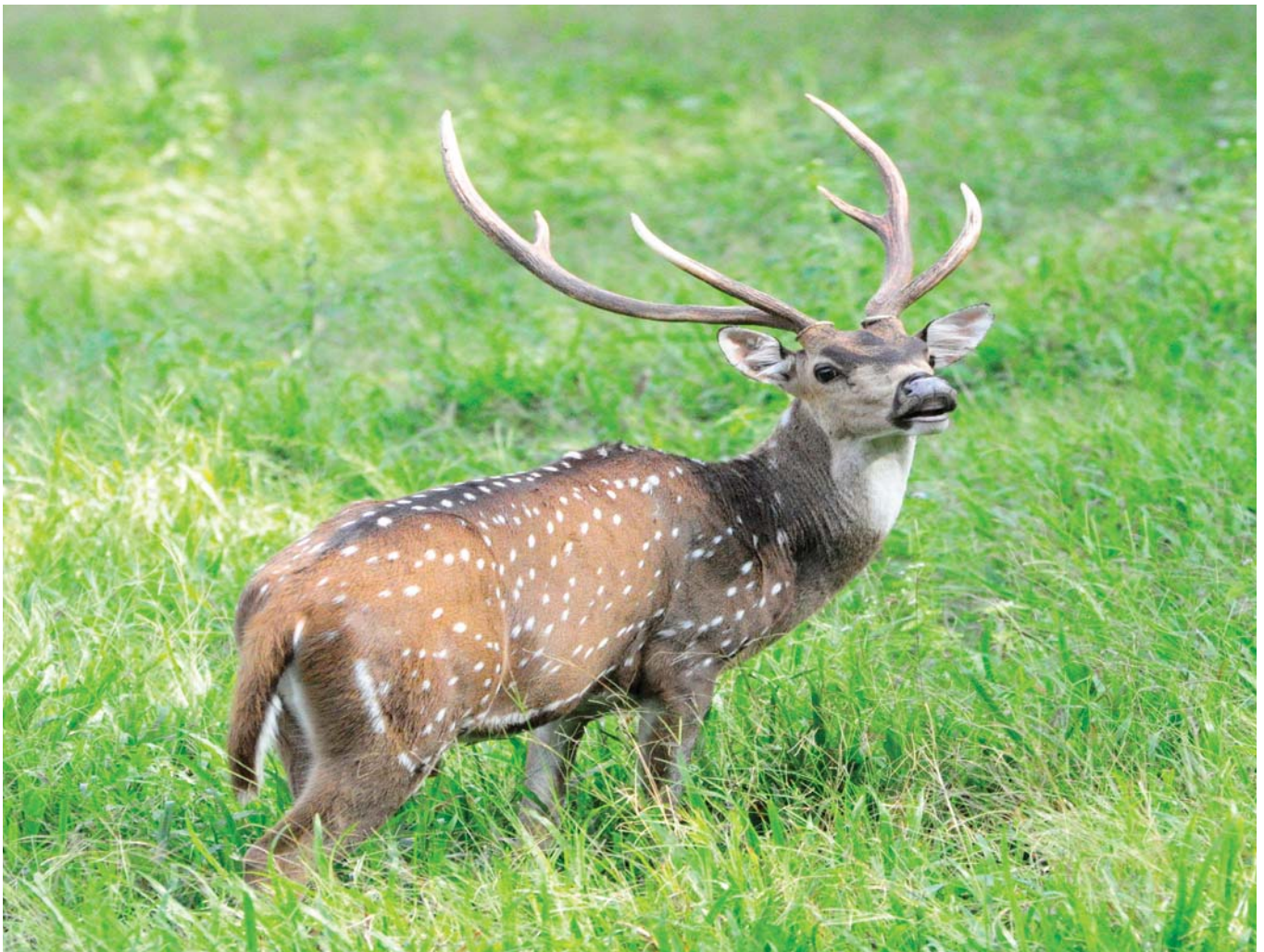
Sl.	Date	Location	Topic	Organized by	No. of participants
1.	07.05.2015	20 D Regiment Army Cant Binnaguri	Wild Animal protection driving Wild Elephant	1.Army Officer.	
2.	18.05.2015 to 19.05.2015	Rajabhatkhawa, Buxa Tiger Reserve	Conducting scientific study on the effect of teak monoculture plantation & other exotic species in BTR	CCF & FD, BTR	
3.	25.05.2015	Murti Gorumara Tent & Cottage	Protection Forest & Wildlife	DFO/GWLD	13
4.	01.07.2015	Beliatore Community Hall, Bankura (North) Div.	Man-animal Conflict	DFO, Bankura (North) Div.	100
5.	03.07.2015	Community Room, DRM Office, Alipurduar Jn., Buxa Tiger Reserve	Meeting of SLC between Railways & Forest Department to avoid death of elephants due to train hits	ADRM, Alipurduar Jn.	15
6.	01.08.2015	Timber Auction Hall, Medinipur Div.	Wildlife Management	DFO, Medinipur Div.	95
7.	08.08.2015	Beliatore Community Hall, Bankura (North) Div.	Elephant identification and tranquilization	DFO, Bankura (North) Div.	120
8.	15.08.2015	Sajnekhali, STR	Harbivores estimation and oil spinn training by AFD	Sundarban Tiger Reserve	
9.	09.09.2015, 11.03.2016 & 12.03.2016	Illambazar, Birbhum	Handicraft	Astha Communication	132
10.	12.09.2015	Murti Gorumara Tent & Cottage	Protection Forest & Wildlife	DFO/GWLD	15
11.	11.12.2015	NIC, Rajabhatkhawa Buxa Tiger Reserve	Tiger Census	Forest Department with NGO	93
12.	05.01.2016	NIC, Rajabhatkhawa, Buxa Tiger Reserve	Man-animal conflict	Forest Department with NGO	102
13.	26.01.2016	Sonamukhi Range Complex, Bankura (North) Div.	Training on Elephant driving, electrocution etc.	DFO, Bankura (North) Div.	150
14.	07.02.2016	Murti Gorumara Tent & Cottage	Workshop on Legal Matter	DFO/GWLD	28
15.	09.02.2016	Beliatore Range Complex, Bankura (North) Div.	Training on Elephant driving, electrocution etc.	DFO, Bankura (North) Div.	180

Sl.	Date	Location	Topic	Organized by	No. of participants
16.	27.02.2016	Bholka Range Office, Buxa Tiger Reserve	Meeting about protection of wildlife against electrocution	Range Officer, Bholka Range, BTR(E)	6
17.	Jan to March' 2016	Koraibari Community Hall, Gulma Beat, West Range, MWLS, Darjeeling WL Div.	Motor Driving, Beautician, Computer Training	North Bengal Art Academy, Siliguri, West Bengal	62
18.	01.03.2016	Bonnie Camp, 24-Parganas (South)	Forest Law & Court Procedure	24-PGS (S) DIVN.	30
19.	4th to 7th March,2016	Canning, 24-Parganas (South)	Wetland and its conservation with special reference to Sundarban	SBR	28
20.	12.03.2016	Namkhana, 24-Parganas (South)	Identification of scheduled animal and current status of Mangroves	24-PGS (S) DIVN.	35
21.	19.03.2016	Rajabhatkhawa, Buxa Tiger Reserve	Training cum workshop on Man-Animal Conflict	DFD, BTR(E) Division	13
22.	23.03.2016 & 24.03.2016	Beliatore, Bankura	Man-Animal Conflict	DFO, Bankura (North) Div.	12
23.	27.03.2016	Division Office (Auction Hall), Panchet Div.	Preparedness for mitigating Human Wildlife conflict training workshop	DFO, Panchet Div.	120
24.	2015-16	Kulik, Raiganj Div.	Bird Census	NGO & Schools of Raiganj	110

Annexure-10

Honey collection in Sundarban Tiger Reserve and 24 Parganas (South) Division during 2015-16

STR	24-Pgns(S)	Remarks
Total Honey Collected (Kg.)	Total Honey Collected (Kg.)	
42412	26425	Handed over to WBFDC Ltd.



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	15	2011-12 & 2012-13	Functional	Maint. In 2015-16
Energized fencing	Central Pilkhana, CTTL, Hollong		1.5	2012	Functional	
Energized fencing	Torsa-1 Comptt.		2.5	2015	Functional	
Energized fencing	Torsa-3 Comptt.		1.5	2015	Functional	
Energized fencing	Garbeta-II	Rupnarayan Division	8	2015-16	Functional	
Energized fencing	Nayagram	Kharagpur Division	8.4	2015-16	Functional	
Energized fencing (4 stand)	Bishnupur	Panchet Division	6.5	2015-16	Functional	
Energized fencing (4 stand)	Bankadaha		15	2015-16	Functional	
Energized fencing (4 stand)	Joypur		10	2015-16	Functional	
Energized fencing (4 stand)	Joypur		2.5	2014-15	Functional	
Energized fencing (3 stand)	Bishnupur		6.8	2015-16	Functional	
Energized fencing	Lalgarh, Salboni, Bhadutala Ranges	Medinipur Division	5	2015-16	Functional	
Energized fencing	Bamanpokhri Block	Kurseong Division	2.17	2007	Functional	
Energized fencing	Sologhoria FV	Baikunthapur Division	5	2004-05	Functional	
Energized fencing	Magurmari FV		3	2004-05	Functional	
Energized fencing	Mechbusty FV		5	2004-05	Functional	
Energized fencing	Mechbusty FV		3			3 km of electric fencing repaired under WBFBCP
Chain Link fencing	Bibhutibhusan WLS	24 Paraganas (North) Division	3.5	2011-12	Functional	
Energized fencing	SRD-1	Buxa Tiger Reserve (East)	0.9	2006	Non functional	
Energized fencing	SRD-5, 6 & 7		1.1	2014	Non functional	
Energized fencing	SRD-5 & 7		2	2016	Functional	
Energized fencing	NRVK-9		5.5	2015-16	Functional	
Energized fencing	KG-1 & 2		4	2006-07	Partly non functional	
Energized fencing	SK-2		6	2006-07	Partly non functional	
Energized fencing	JNT-7 & 8		1.91	2015-16	Functional	

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Barbed wire	HPT		1.165		Functional	
Energized fencing	Balapara FV		3.3		Non functional	
Nylon Net fencing	Matla & Raidighi Range	24-Parganas (South)	10.5	2015-16	Functional	In total 48 km. is existing in the Div.
Nylon Net fencing	Pirkhali-5 under NP(W) Range	Sundarban Tiger Reserve	5	2015-16	Functional	
Nylon Net fencing	Arbesi-1 under Basirhat Range		6		Functional	
Nylon Net fencing	Jhila-1, 2, 3 under Basirhat Range		8		Functional	
Chain Link fencing	Ballavpur WLS	Birbhum Division	0.586	2015-16	Functional	
Energized fencing	Sukna-II, Panchanai, Hatisar, M&G Block, Mahanadi, Lower Champasari, Singamari, Gulma West Range	Darjeeling Wildlife Division	10	2012-13	Out of 10 km only 4 km fence in running condition	
Energized fencing	Forest inside fence-2 nos. 1) Around the golaghat 2) At Gulma Beat around the captive elephant pilkhana West Range		200 mt approx & 300 mt approx	2012-13	Medium type functioning	
Energized fencing	7th Mile to Malijhora, South Range		3	2004	Completely damaged	
Energized fencing	8th Mile Beat, South Range		2	2004	-do-	
Energized fencing	North Range Office Complex		1.5	2006	-do-	
Energized fencing	10th Mile Forest Village		3	2006	-do-	
Energized fencing	Latpancher Beat, North Range		1.5	2007	-do-	
Energized fencing	Hensla, Karmadi & Pusti mouza under Jhalda-I Block	Purulia Division	7	2015-16	Functional	
Energized fencing	Neora Jungle Camp	Jalpaiguri Division	0.6	2009-10 & 2010-11	Functional	
Energized Fencing	Bichabhanga Forest Basti	Gorumara Wildlife Division	2	2002	Functional	NIL
Energized Fencing	Sursuti Forest Basti		2.5	2002	Functional	NIL
Energized Fencing	Kalipur Forest Village		4	2003	Functional	NIL
Energized Fencing	Chatua Forest Village		2.5	2003	Functional	NIL
Energized Fencing	Budhram Forest Village		2.5	2006	Functional	NIL
Energized Fencing	Pilkhana & Beat Campur, Dhupjhora Beat		2	2009	Non-Functional	NIL
Energized Fencing	South Indong-I		6	2007	Functional	NIL

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Energized Fencing	Dhupjhora-Ib		6	2007	Damaged	Around 2007 Bamboo Pltn.
Energized Fencing	Jaldhaka-Ib		4	2015	Damaged	Around 2015 Grass Fodder Pltn.
Energized Fencing	Jaldhaka-Ib		4	2014	Damaged	Around 2014 Grass Fodder Pltn.
Energized Fencing	Jaldhaka-Ib		1	2014	Damaged	Around 2014 Grass Fodder Pltn.
Energized Fencing	Gorumara-II		1	2014	Damaged	Around 2012 Tree Fodder Pltn.
Energized Fencing	Gorumara-II		0.5	2013	Damaged	Around 2013 Tree Fodder Pltn.
Energized Fencing	Pilkhana, Gorumara Beat		0.4	2010	Damaged	Gorumara Pilkhana
Energized Fencing	Pilkhana, Gorumara Beat		0.5	2010	Damaged	Gorati Pilkhana
Energized Fencing	Sambar Tower, Gorumara Beat		0.2	2008	Damaged	NIL
Energized Fencing	Kalipur Eco-Village, Budhram Beat		1	2005	Functional	NIL
Energized Fencing	Chukchuki Watch Tower, Budhram Beat		1.5	2001	Non-Functional	NIL
Energized Fencing	Around Range complex.		0.701		Functional	NIL
Chain link	Around deer enclosure		0.42		Functional	NIL
Energized fencing	Nimati, NMT-3	Buxa Tiger Reserve (West)	1110 mt.	2014-15	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	30th mile Watch tower.
Energized fencing	South Rvk., SRVK-15		410 mt.	2014-15	Functional	Rescue centre.
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	Beliatore Range	Bankura North Division	4.7	2013-14 to 2015-16	Functional	
Energized fencing	Sonamukhi Range		4.8		Functional	
Energized fencing	Barjora Range		6		Functional	
Energized fencing	Barjora Range		6		Functional	
Energized fencing	Patrasayer & Radhanagar		15.5		Functional	
Energized fencing	Barjora Range		6		Functional	

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Energized fencing	Barjora Range		4.5		Functional	
Energized fencing	Beliatore Range		4.5		Functional	



Annexure-12
Creation, Advance Work, Maintenance of Plantations during 2015-16

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Buxa Tiger Reserve (West)	DPO-8 Comptt., Damanpur Beat under East Damanpur Range	State Plan	Mixed Tree	Creation	10.00
	Poro-5 Comptt., East Poro Beat under West Damanpur Range	State Plan	Mixed Tree	Creation	20.00
	Gadadhar-6 Comptt., Gadadhar Beat under East Rajabhatkhawa Range	State Plan	Mixed Tree	Creation	10.00
	Nimati-1A Comptt., West Nimati Beat under Nimati Range	State Plan	Mixed Tree	Creation	30.00
	GDB-4 Comptt., Gudamdabri Beat under Hamiltonganj Range	State Plan	Mixed Tree	Creation	10.00
				Total	
Buxa Tiger Reserve (East)	DH-2	State Plan	Misc.	Creation	10.00
	DH-3	State Plan	Misc.	Creation	20.00
	Chipra-7	State Plan	Misc.	Creation	10.00
	NRT-2	State Plan	Misc.	Creation	20.00
	MKT-2	State Plan	Misc.	Creation	20.00
	SRD-3	State Plan	Grass	Creation	5.00
	Chipra-10	State Plan	Grass	Creation	5.00
	JNT-7	Non Plan	Grass	Creation	5.00
	JNT-8	Non Plan	Grass	Creation	5.00
				Total	
Darjeeling Wildilfe Division	Rampuria - 1	State Plan	Mixed pltn	Creation	15.00
	Simkuna - 3 & 4	State Plan	Mixed pltn	Creation	10.00
				Total	

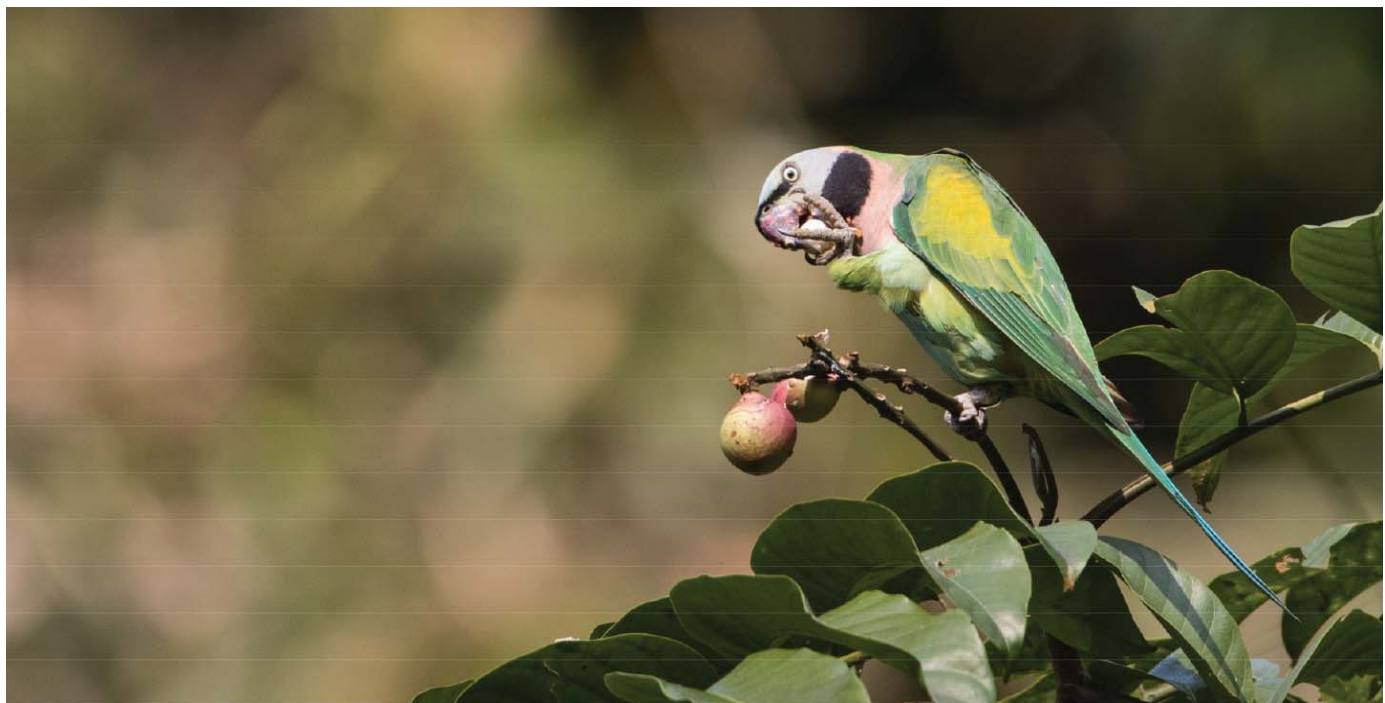
Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Jaldapara Wildlife Division	Kodal Basti Range, Mantharam Beat/ Barodabri Block/ BD-4 Comptt.	State Plan	Sal + Misc.	Creation	10.66
	Kodal Basti Range, Mantharam Beat/ Barodabri Block/ BD-4 Comptt.	State Plan	Sal + Misc.	Creation	8.64
	Kodal Basti Range, Mantharam Beat/ Barodabri Block/ BD-4 Comptt.	State Plan	Misc.	Creation	10.00
	JPW Range/TEC Beat/Torsa-1 Comptt.	JICA	Bamboo	Creation	10.00
	JPW Range/TEC Beat/Torsa-1 Comptt.	JICA	Fodder	Creation	20.00
	JPW Range/Bangdaki Beat/Torsa-3 Comptt.	JICA	Bamboo	Creation	10.00
	JPW Range/Kunjanagar Beat/Torsa-3 Comptt.	JICA	Bamboo	Creation	10.00
	JPE Range/Malangi Beat/CP-1 Comptt.	State Plan	Bamboo	Creation	10.00
	JPE Range/Sissamara Beat/CP-3(b) Comptt.	State Plan	Bamboo	Creation	20.00
	JPE Range/Jaldapara Beat/JP-3 Comptt.	State Plan	Bamboo	Creation	20.00
	JPE Range/Jaldapara HQ/JP-3 Comptt.	JICA	Grass Fodder	Creation	12.00
	JPE Range/Malangi Beat/Malangi-3 Comptt.	JICA	Grass Fodder	Creation	10.00
	JPE Range/Sissamara Beat/CP-3(b) Comptt.	JICA	Grass Fodder	Creation	10.00
	Chilapata Range, Bania Beat, BN-2 Comptt.	State Plan	Bamboo & Fodder Grass Plantation	Creation	10.00
	Chilapata Range, Bania Beat, BN-2 Comptt.	State Plan	Misc.	Advance work	20.00
	Gopimohonpur TG	SFDA	Misc. / Neem	Creation	6.00
	North Khairbari Beat	State Plan	Misc.	Creation	24.23
	South Khairbari Beat	State Plan	Misc.	Creation	15.00
	Dhumchi Beat	State Plan	Sal + Misc.	Creation	10.00
	Salkumar Beat	State Plan	Misc.	Advance work	20.00
	JNP/Siltorsa Beat/JP-1 Comptt.	JICA	Grass Fodder	Creation	10.00
			Total		276.53

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)	
Gorumara Division	Wildlife	South Indona-I, Dhupjhora Beat	SFDA/RKVY	Grass Fodder	Creation	10.00
		Ramsai Extension, Budhram Beat	SFDA/RKVY	Grass Fodder	Creation	10.00
		Jaldhaka-Ib, Gorumara Beat	JICA	Grass Fodder	Creation	40.00
		Jaldhaka-Ib, Gorumara Beat	Non Plan (87/Reg.)	Malsa, Madhua Plantation	Advance Work	0.50
		Jaldhaka-Ib & Dhupjhora-Ic, Gorumara Beat	SPAP/025/FT	Grass Fodder	Advance Work	80.00
		Tondu-Bamondanga Extn. Gorumara Beat	RIDF	B a m b o o Plantation	Maintenance Work	15.00
		Barohati-III, Budhram Beat	RIDF	B a m b o o Plantation	Maintenance Work	10.00
		Medla-III, Budhram Beat	2406-01-102-SP-025-50-OC-FT	Misc. Plant. (Tree Fodder)	Maintenance Work	20.00
		Jaldhaka-Ib, Gorumara Beat	2406-02-110-SP-023-50/OC	B a m b o o Plantation	Maintenance Work	10.00
		Dhupjhora-Ib & South Indong-I, Dhupjhora Beat	CSS/GMR	Grass Fodder	Maintenance Work	20.00
		Barohati-III, Budhram Beat	RIDF	Older Plantation	Maintenance Work	10.00
		Ramsai Extn., Budhram Beat	RIDF	Older Plantation	Maintenance Work	10.00
		Jaldhaka-Ib, Gorumara Beat	24306-01-102-SP-025-50/OC(FT)	Bamboo Plantation	Maintenance Work	10.00
		GMR-II, Gorumara Beat	2406-02-110-SP-023-50/OC	Tree Fodder	Maintenance Work	10.00
		Dhupjhora-Ib, Dhupjhora Beat	SPAP/025/FT	Tree Fodder	Maintenance Work	10.00
		Medla-III Budhram Beat	RIDF	Older Fodder	Maintenance Work	20.00
		Range-Gorumara North Range, Beat - Khunia, Block -Tondu-III Comptt.	WBSFDA	Grass Fodder Plantation 2015	Creation	20.00
				Total		305.50
		24-Parganas (South) Division	Matla	State Plan	Strip	Maintenance (1st yr)
Diamond Harbour	State Plan		Strip	Maintenance (1st yr)	7.00	
Bauipur	State Plan		Strip	Maintenance (1st yr)	10.00	
Raidighi	State Plan		Strip	Maintenance (1st yr)	23.00	
Bhagabatpur	State Plan		Strip	Maintenance (1st yr)	10.00	
Namkhana	State Plan		Strip	Maintenance (1st yr)	10.00	
Bakkhali	State Plan		Strip	Maintenance (1st yr)	10.00	

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
24-Parganas (South) Division	Ramganga	State Plan	Strip	Maintenance (1st yr)	20.00
				Sub-Total	100.00
	Matla	State Plan	Strip	Maintenance (2nd yr)	10.00
	Bauipur	State Plan	Strip	Maintenance (2nd yr)	20.00
	Raidighi	State Plan	Strip	Maintenance (2nd yr)	10.00
	Bhagabatpur	State Plan	Strip	Maintenance (2nd yr)	10.00
	Namkhana	State Plan	Strip	Maintenance (2nd yr)	10.00
	Bakkhali	State Plan	Strip	Maintenance (2nd yr)	10.00
	Ramganga	State Plan	Strip	Maintenance (2nd yr)	30.00
				Sub-Total	100.00
	Matla	State Plan	Strip	Creation (non-mgrv)	10.00
	Bauipur	State Plan	Strip	Creation (non-mgrv)	20.00
	Diamond Harbour	State Plan	Strip	Creation (non-mgrv)	15.00
	Raidighi	State Plan	Strip	Creation (non-mgrv)	10.00
	Bhagabatpur	State Plan	Strip	Creation (non-mgrv)	10.00
	Namkhana	State Plan	Strip	Creation (non-mgrv)	10.00
	Bakkhali	State Plan	Strip	Creation (non-mgrv)	10.00
	Ramganga	State Plan	Strip	Creation (non-mgrv)	15.00
				Sub-Total	100.00
	Matla	State Plan	Strip	Advance (non-mgrv)	10.00
	Bauipur	State Plan	Strip	Advance (non-mgrv)	20.00
	Diamond Harbour	State Plan	Strip	Advance (non-mgrv)	20.00
	Raidighi	State Plan	Strip	Advance (non-mgrv)	10.00
	Bhagabatpur	State Plan	Strip	Advance (non-mgrv)	10.00
	Namkhana	State Plan	Strip	Advance (non-mgrv)	10.00
	Bakkhali	State Plan	Strip	Advance (non-mgrv)	10.00
	Ramganga	State Plan	Strip	Advance (non-mgrv)	10.00
				Sub-Total	100.00
	Matla	State Plan	Mangrove	Creation (mgrv)	185.00
	Raidighi	State Plan	Mangrove	Creation (mgrv)	65.00
	Bhagabatpur	State Plan	Mangrove	Creation (mgrv)	10.00
	Namkhana	State Plan	Mangrove	Creation (mgrv)	10.00
Ramganga	State Plan	Mangrove	Creation (mgrv)	120.00	

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)	
24-Parganas (South) Division				Sub-Total	390.00	
	Matla	State Plan	Mangrove	Advance (mgrv)	110.00	
	Diamond Harbour	State Plan	Mangrove	Advance (mgrv)	10.00	
	Raidighi	State Plan	Mangrove	Advance (mgrv)	100.00	
	Bhagabatpur	State Plan	Mangrove	Advance (mgrv)	40.00	
	Namkhana	State Plan	Mangrove	Advance (mgrv)	50.00	
	Bakkhali	State Plan	Mangrove	Advance (mgrv)	40.00	
	Ramganga	State Plan	Mangrove	Advance (mgrv)	100.00	
					Sub-Total	450.00
	Matla	State Plan	DPN		Creation	10.00
	Bauipur	State Plan	DPN		Creation	30.00
	Raidighi	State Plan	DPN		Creation	10.00
	Bhagabatpur	State Plan	DPN		Creation	10.00
	Namkhana	State Plan	DPN		Creation	20.00
	Bakkhali	State Plan	DPN		Creation	10.00
	Ramganga	State Plan	DPN		Creation	10.00
					Sub-Total	100.00
	Matla	State Plan	DPN		Advance	10.00
	Baruipur	State Plan	DPN		Advance	20.00
	Diamond Harbour	State Plan	DPN		Advance	20.00
	Raidighi	State Plan	DPN		Advance	10.00
	Bhagabatpur	State Plan	DPN		Advance	10.00
	Namkhana	State Plan	DPN		Advance	10.00
	Bakkhali	State Plan	DPN		Advance	10.00
	Ramganga	State Plan	DPN		Advance	10.00
					Sub-Total	100.00
	Matla	CMM	Mangrove		Nursery	100.00
	Raidighi	CMM	Mangrove		Nursery	50.00
					Sub-Total	150.00
	Bakkhali	CMM	Eradication of Non Mangrove		Eradication of Non Mangrove	10.00
	Ramganga	CMM	Eradication of Non Mangrove		Eradication of Non Mangrove	10.00
					Sub-Total	20.00
	Matla	CMM	Mangrove		Maintenance	80.00
	Raidighi	CMM	Mangrove		Maintenance	120.00
	Bhagabatpur	CMM	Mangrove		Maintenance	35.00
	Bakkhali	CMM	Mangrove		Maintenance	10.00
	Ramganga	CMM	Mangrove		Maintenance	16.00
					Sub-Total	261.00
	Matla	CMM	Mangrove		Maintenance	100.00
	Namkhana	CMM	Mangrove		Maintenance	10.00
	Bakkhali	CMM	Mangrove		Maintenance	10.00
	Ramganga	CMM	Mangrove		Maintenance	100.00
					Sub-Total	220.00
	Matla	CMM	Mangrove		Nursery	100.00
					Sub-Total	100.00
			Grand total		2,191.00	

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)	
24 Parganas(North)	Barrackpore SF Range, Ichapur khal from Kairapur to Nilganj	State Plan	Strip	Creation	16.00	
	Barrackpore SF Range, Panpur to Amdanga (Roadside)	State Plan	Strip	Creation	12.00	
	Barrackpore SF Range, Gourbanga Road side (From Bijna to NH 34 More)	State Plan	Strip	Creation	12.00	
	Basirhat SF Range, Swarupnagar Beat, Both side of Road near Ichamati River with both bank of Sarat khal	State Plan	Strip	Creation	10.00	
	Rampur SF Range, Hingalganj Beat, Hatgacha	State Plan	Mangrove	Maintenance	7.00	
	Rampur SF Range, Hingalganj Beat, Patghera	State Plan	Mangrove	Maintenance	8.00	
				Total		65.00
Sundarban Reserve	Tiger	Arbasi-1 (Jhingakhali Beat) under Basirhat Range	State Plan	Mangrove	Creation	1.00
		Jhila-03 (Bagna Beat) under Basirhat Range	State Plan	Mangrove	Creation	3.00
		Arbasi-5 (Burirdubri Beat) under Basirhat Range	State Plan	Mangrove	Creation	4.00
		Dulki JFMC under Sajnekhali Wildlife Sanctuary Range	State Plan	Mangrove	Creation	2.00
		Netidhopany & Haldibari	State Plan	Mangrove	Creation	3.00
		Chamta - 2,3,6 &8, Bagmara - 2,4, Gona-2 & Chandkhali - 2,3, & 4 Comptt under NP(E) Range	State Plan	Mangrove	Creation	12.00
					Total	



Annexure-13

Encroachment of Forest Land in Wildlife Divisions			
Division	Encroachment (Ha)	Location	Remarks
Jaldapara Wildlife Division	1.1 Ha.	Titi Forest Village, Titi-4 Comptt. under Hallapara Beat	For cultivation purpose, FIR done by name
Jaldapara Wildlife Division	0.5 Ha.	Salkumar Forest Village, SK-3 Comptt.	Making Girjaghar
Gorumara Wildlife Division	50.86 Ha.	WNR-2 under Sakam Beat	—



Annexure-14

Synopsis of Tiger Monitoring in Tiger Reserves during 2015-16

Month-Year	Sundarban Tiger Reserve		Buxa Tiger Reserve	
	Sighting	Other Evidence	Sighting	Other Evidence
Apr-15	4	141		3
May-15	9	125		2
Jun-15	19	62		
Jul-15	15	60		5
Aug-15	15	72		9
Sep-15	9	64		1
Oct-15	16	198	1	2
Nov-15	15	212		1
Dec-15	23	225		28
Jan-16	20	254		6
Feb-16	9	215		4
Mar-16	9	147	1	12



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
2011-12	71	317	6701908.00	311	240350.00	4283	4592558.00	5284.95	21443507.00	31969425.00
2012-13	81	237	8053779.00	333	224950.00	3669	6036612.00	5872.458	35005838.00	49321179.00
2013-14	81	229	9034264.00	441	384580.00	3207	7514495.00	8940.67	33752974.00	50686313.00
2014-15	109	213	12066877.00	1337	1205768.00	4366	8955829.00	8348.573	38706218.00	60934692.00
2015-16	124	151	24363940.00	598	658420.00	4003	10583968.00	5100.693	37194150.00	72800478.00

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
2011-12	67	171	5593010.00	5284.950	21443507.00	4283	4592558.00	31629075.00
2012-13	69	119	6330705.00	5872.458	35005838.00	3669	6036612.00	47373155.00
2013-14	67	114	7719469.00	8940.672	33752974.00	3207	7514495.00	48986938.00
2014-15	89	102	10541123.00	8340.039	38619738.00	4357	8934829.00	58095690.00
2015-16	108	95	22800220.00	5100.693	37194150.00	4003	10583968.00	70578338.00

Payment of Ex-gratia Relief for Wild Animal depredation (*Elephant, Tiger, Leopard, Bison etc.*) in West Bengal for the period 2015-16

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	0	2	172359.00	32	60000.00	16	54000.00	27.79	416806.00	703165.00
Gorumara WL Division	11	62	1405195.00	0	0.00	257	309000.00	21.69	239000.00	1953195.00
Jaldapara WL Division	6	7	1112132.00	178	2800.00	441	38000.00	100.84	265000.00	1417932.00
Buxa Tiger Reserve (W)	3	1	750000.00	2	7000.00	506	956000.00	116	1307850.00	3020850.00
Buxa Tiger Reserve (E)	5	1	1008150.00	62	78250.00	38	124500.00	26.52	799500.00	2010400.00
Jalpaiguri Division	2	0	600000.00	0	0.00	700	3000000.00	116.508	1747640.00	5347640.00
Kurseong Division	8	2	1750000.00	0	0.00	56	166000.00	1240	834000.00	2750000.00
Baikunthapur Division	2	1	1033000.00	318	498390.00	337	733350.00	155.288	1164664.00	3429404.00
Coochbehar Division	0	14	120000.00	0	0.00	0	0.00	0	0.00	120000.00
Rupnarayan Division	9	1	2250000.00	0	0.00	11	36000.00	607.377	2341155.00	4627155.00

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
Kharagpur Division	3	4	750000.00	0	0.00	200	607605.00	295.146	4577500.00	5935105.00
Jhargram Division	6	0	600000.00	0	0.00	124	308200.00	57	365110.00	1273310.00
Bankura (North) Division	28	17	6848684.00	0	0.00	1093	3871313.00	1062	15873651.00	26593648.00
Bankura (South) Division	1	4	250000.00	0	0.00	9	38000.00	35.196	527940.00	815940.00
Burdwan Division	6	1	1527159.00	2	3980.00	7	37500.00	56.86	836186.00	2404825.00
Purulia Division	2	0	500000.00	0	0.00	56	243000.00	180.16	2702400.00	3445400.00
Panchet Division	6	1	1029621.00	0	0.00	88	0.00	105.588	1583830.00	2613451.00
Birbhum Division	3	0	576082.00	0	0.00	0	0.00	6.18	92808.00	668890.00
24-Parganas (South)	4	1	1000000.00	4	8000.00	0	0.00	0	0.00	1008000.00
Sundarban Tiger Reserve	14	0	0.00	0	0.00	0	0.00	0	0.00	0.00

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
Medinipur Division	7	32	1046890.00	0	0.00	20	29000.00	874	1384110.00	2460000.00
Durgapur Division	0	0	0.00	0	0.00	8	32500.00	8.6	135000.00	167500.00
Kangsabati (North) Division	0	0	34668.00	0	0.00	36	0.00	7.95	0.00	34668.00
Kalimpong Division	1	0	0.00	0	0.00	0	0.00	0	0.00	0.00
Total	127	151	24363940.00	598	658420.00	4003	10583968.00	5100.693	37194150.00	72800478.00



Sl No	Post	Wildlife (Hq)			BTR									CCF,WL (N) & CF,WL(N)C												Sundarban Biosphere Reserve																					
		Wildlife (Hq)			BTR(E)			BTR(W)			FD/BTR			Total BTR			Gorumara WLD			Jaldapara WLD			Darjeeling WLD			Wildlife Circle (North)			Total CF,WL(N)			Sundarban Tiger Reserve			24-Pgs(S) Divn			24-Pgs(N) Divn			Director, SBR			Total SBR			
		S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S	E	V	S
47	Bearer						0			0			0	0	0	0			0	3	2	1			0			0	3	2	1			0			0			0			0	0	0	0	
48	Udyansramik						0			0			0	0	0	0			0			0			0			0	0	0	0			0	4	1	3			0			0	4	1	3	
49	Masalchi						0			0			0	0	0	0			0	1	0	1			0			0	1	0	1			0			0			0			0	0	0	0	
50	Jamadar						0			0			0	0	0	0			0			0			0			0	0	0	0			0			0			0			0	0	0	0	
51	Karmabandhu						0			0			0	0	0	0			0			0			0			0	0	0	0	1	1	0	1	1	0			0			0	2	2	0	
52	Karmasathi						0			0			0	0	0	0			0			0			0			0	0	0	0	2		2			0			0			0	2	0	2	
53	Banasramik	0	2	0		41			56			2		0	99	0			0		134			46			1		0	181	0			0		49			24			0	0	73	0		
54	Banamajdoor/ Forest Majdoor	0	4	0			0		3				0	0	3	0			4		6	5	1	3	1	2		0	9	10	3			0			0			0			0	0	0	0	
55	Attached officer						0			0			0	0	0	0			0			0			0			0	0	0	0			0			0			0			0	0	0	0	
56	Veterinary officer						0			0			0	0	0	0			0			0			0			0	0	0	0			0			0			0			0	0	0	0	
57	Cashub						0			0			0	0	0	0			0			0			0			0	0	0	0			0	1		1	1	1	0			0	2	1	1	
58	Game watcher (may be shifted)						0			0			0	0	0	0			0			0			0			0	0	0	0	1		1			0			0			0	1	0	1	
	Total	71	41	32	233	190	85	238	218	79	14	7	9	485	415	173	140	87	60	318	302	150	193	155	84	19	15	9	670	559	303	284	152	132	231	168	112	50	57	18	18	11	7	583	388	269	

Annexure-6 List of Departmental Elephants as on 31.03.2016

Sl. No.	Identification	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)
	Transponder ID														
1	00064D8C34	URMILA	36 yrs.	Purchased	NK	NK	Sonepur Mela on 06.11.87	Female	NK	NK	Ghoramara	Buxa Tiger Reserve (East)	Patrolling	Sri Anil Karjee, CDL	Anil Karjee, CDL
2	00064839F5	CHAMPADEVI	58 yrs.	Seized	NK	NK	Seized from 'Rocky Circus', Samuktala on 16.03.03	Female	NK	NK	South Rydak	Buxa Tiger Reserve (East)	Retired from service	Krishan Kanta Barman	Joakim Lakra
3	00064DB659	CHANDRIMA	13 yrs.	Captive Bred	30.05.2001	Marakata	NA	Female	Champarani	Wild	Jainty	Buxa Tiger Reserve (East)	Patrolling	Ajit Das	Nani Gopal
4	0006477931	CHAMPARANI	51 yrs.	Purchased	NK	NK	Sonepur Mela on Nov.91	Female	NK	NK	Chipra	Buxa Tiger Reserve (East)	Patrolling	Nikhil Barman, Pmt.	Bijoy Rai, PDL
5	00064DBD55	SUMAN	21 Yrs.	Captive Bred	07.11.1993	Jaldapara	NA	Male	Sundarmoni	Wild	South Rydak	Buxa Tiger Reserve (East)	Patrolling	Swapan Oraon, CDL	Haura Oraon, CDL
6	00064DBC3E	NONAI	22 yrs.	Captured	NK	NK	Ranja 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 Dammanpur Range	Buxa Tiger Reserve (West)	Patrolling	Subhash Rava, PDL	Sanjay Narjinary, PDL
7	00064EF116	KABERI	19 Yrs.	Captured	NK	NK	Captured at Gorbeta Range East Midnapore on 27.11.1996	Female	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Dinabandhu Roy, BS	Apan Roy, CDL
8	00064DC8B9	SURYA	24 Yrs.	Captured	NK	NK	Captured from Sonamukhi Range (Bankura).	Male	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Faridul Islam, CDL	Dilip Barman, DL
9	00064D88BF	MOTIRANI	18 Yrs.	Captive Bred	28.08.2000	Holong Range, Jaldapara Wildlife Division	NA	Female	MURTIRANI	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Subodh Oraon, DL	
10	00064DB642	RAMI	16 Yrs.	Captured	NK	NK	Captured from Chandrabik Range, West Midnapur.	Female	Wild	Wild	Budhuram Beat	Gorumara Wildlife Division	Patrolling	Prakash Kharia, CDL	Nirmal Oraon, DL
11	0006484BAA	AMANA	16 Yrs.	Captured	NK	NK	Captured on 21.12.2001 at Sonamukhi Range, Bankura, (N) (Approx age 6 Yr. on that time)	Female	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Rest	Joydeb Roy, CDL	Hasibul Rahaman, DL
12		BARSAN	6 Yrs.	Captive Bred	03.09.2010	Dhupjhora Pillkhana	NA	Female	AMAN	SURYA	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Nimai Chandra Deb, DL	Jogesh, CDL
13	00064D9F27	TISTA	14 Yrs.	Rescued	NK	NK	Rescued from Gajoldoba, Tista riverbed.	Female	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Md. Rejjak Ali, CDL	Tofiqul Haque, CDL
14	000647CA1E	KIRANRAJ	18 Yrs.	Captive Bred	13.01.1998	Holong Pillkhana	NA	Male	MURTIRANI	Wild	Budhuram Beat	Gorumara Wildlife Division	Patrolling	Sanjay Sha, CDL	Dhaniram Oraon, DL
15	00064EFOC9	MEGHLAL	62 Yrs.	Captured	NK	NK		Male	NA	NA	Budhuram Beat	Gorumara Wildlife Division	Rest	Tehu Kawar, CDL	
16		BHOLANATH	13 Yrs.	Seized	NK	NK	From Tista Check post	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Satish Roy, CDL	Dulal Roy, DL
17	000647D81C	SHILABOTI	34 Yrs.	Captured	NK	NK	Captured from Raiganj on 05.01.2011	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Ramesh Roy, CDL	Apu Roy, CDL
18		DIANA	10 Yrs.	Rescued			Rescued from Diana river	Female	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Puspa Roy, DL	
19	00064DA911	FULMOTI	19 Yrs.	Seized	NK	NK	Seized from Tista Check Post	Female	Wild	Wild	Budhuram Beat	Gorumara Wildlife Division	Patrolling	Jugunu Oraon, CDL	Sulu Roy, CDL
20		RAJA	6 Yrs.	Rescued	NK	Wild	Rescued from Jhargram	Male	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Bimal Bhujel, CDL	
21		BASANTA	2.5 Yrs.	Captive Bred			Gorumara	Male	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Salim Oraon, DL	Apan Roy, CDL
22	00064DB541	CHAMPA	42 Yrs.	Seized			From Sonali Circus	Female	Wild	Wild	Dhupjhora Beat	Gorumara Wildlife Division	Patrolling	Joginder Shaw, CDL	Jaharial Oraon, DL

Sl. No.	Identification	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)
	Transponder ID														
23	00064DB560	HILLARY	17 Yrs.	Captured	NK	NK	Captured from Hillajhora Forest Compartment of Jalpaiguri Dvn.	Female	Wild	Wild	Tondu Camp	Gorumara Wildlife Division	Patrolling	Sanjit Roy, CDL	Dipak Roy, DL
24	0006479E69	CHANDAN	15 Yrs.	Captive Bred	11.01.2001	Holong Pilkhana	NA	Male	CAMPAKALI	Wild Makna	Tondu Camp	Gorumara Wildlife Division	Patrolling	Sanichariya Oraon, DL	Dilip Kharia, DL
25	Transponder not embedded	KUNTAL	9 Yrs.	Captive Bred	04.09.2006	Jaldapara	NA	Male, Makna	Kuntalini	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Ratan Singh Bhagat, PDL	Laitu Ekka, PDL
26	0006485C6B	BHARAT	22 Yrs.	Captive Bred	29.09.1994	Jaldapara	NA	Male Makna	Shakuntala	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Narayan Rava, PDL	Dilip Oraon, PDL
27	Transponder not embedded	SHANKARI	6 Yrs.	Captive Bred	09.12.2009	Jaldapara	NA	Female	Sundari	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Dulal Rava, PDL	Subhas Kharia, PDL
28	Transponder not embedded	SAHRUL	13 Yrs.	Captive Bred	12.04.2003	Jaldapara	NA	Male, Makna	Sakuntala	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Kamal Rava, PDL	Puna Kharia, PDL
29	Transponder not embedded	TISTA	7 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, PDL	Narsing Rava, PDL
30	00064D6905	MENOKA	47 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	Saibendra Saiba, PDL
31	000647E20E	SUNDARI	18 Yrs.	Captive Bred	30.04.1998	Jaldapara	NA	Female	Sundarmoni	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Pawan Rava, BS	Kiran Oraon, PDL
32	Transponder not embedded	BALASUNDOR	9 Yrs.	Rescued	Age approx. 07 days when rescued	Wild	Rescued from Balasan river bed Kurseong Div. on 08.07.2007	Male	Wild	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Budhu Kharia, PDL	Rabi Oraon, PDL
33	Transponder not embedded	ANARKALI	5 Yrs.	Captive Bred	08.03.2011	Jaldapara	NA	Female	Champakali	Wild	Kodalbasti	Jaldapara Wildlife Division	Patrolling	Kajal Biswas, DL	Sunil Oraon, DL
34	00064DB288	MAINAK	22 Yrs.	Captive Bred	13.11.1994	Holong	NA	Male, Makna	Menoka	Wild	JPW Range	Jaldapara Wildlife Division			
35	00064DF8CF	SAMBHU	23 Yrs.	Captive Bred	20.10.1993	Panbari (BTR)	NA	Male, Tuskar	Shanti	Wild	JPW Range	Jaldapara Wildlife Division			
36	Transponder not embedded	RANGALAL	6 Yrs.	Captive Bred	22.12.2010	Jaldapara	NA	Male	Rangini	Wild	JPW Range	Jaldapara Wildlife Division			
37	Transponder not embedded	LALITA	11 Yrs.	Captive Bred	21.05.2005	Holong	NA	Female	Laxmi	Wild	JPW Range	Jaldapara Wildlife Division			
38	0006478820	RUDRAPRASAD	18 Yrs.	Captive Bred	08.03.1997	Holong	NA	Male, Tuskar	Madhumala	Wild	JPW Range	Jaldapara Wildlife Division			
39	00064DA06A	MOTILAL	16 Yrs.	Captive Bred	13.10.2000	Holong	NA	Male, Makna	Menoka	Wild	JPW Range	Jaldapara Wildlife Division			
40	00064D9C51	CHIPRARANI	54 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			
41	00064DC133	LAXMAN	16 Yrs.	Captive Bred	04.12.2000	Holong	NA	Male, Tuskar	Laxmi	Wild	JPW Range	Jaldapara Wildlife Division			
42	Transponder not embedded	JAI	6 Yrs.	Captive Bred	04.11.2010	Jaldapara	NA	Male	Jeney	Wild	JPW Range	Jaldapara Wildlife Division			
43		ERAKHI	3 Yrs.			Jaldapara	NA	Female			JPW Range	Jaldapara Wildlife Division			
44	00064D8D55	SUNDARMONI	43 Yrs.	Captive Bred	10.11.1973	Jaldapara	NA	Female	Gajomoti	Wild	JPW Range	Jaldapara Wildlife Division			
45	00064D6240	MUKTIRANI	32 Yrs.	Captive Bred	05.10.1984	Jaldapara	NA	Female	Singheshwari	Wild	JPW Range	Jaldapara Wildlife Division	Presently posted to Bankura		
46	0006485B07	DEBJANI	40 Yrs.	Other Source	1976	NK	Brought from Alipure Zoo on 18.01.1998	Female	NK	NK	JPW Range	Jaldapara Wildlife Division			
47	Transponder not embedded	MADHURI	11 Yrs.	Captive Bred	26.06.2005	Jaldapara	NA	Female	Menoka	Wild	JPW Range	Jaldapara Wildlife Division			
48		FULANTI	22 Yrs.					Female			JPW Range	Jaldapara Wildlife Division			
49	00064DC32B	SHARMILA	64 Yrs.	Purchased	Age approx 35 years when purchased	NK	Purchased from Sonpur Mela on 06.11.1987	Female	NK	NK	JPW Range	Jaldapara Wildlife Division			
50	00064D87BB	SUNDAR	14 Yrs.	Captive Bred	04.03.2002	Sissamara	NA	Male, Makna	Sundarmoni	Wild	JPW Range	Jaldapara Wildlife Division			
51		MAMTAJ	25 Yrs.					Female			JPE Range	Jaldapara Wildlife Division			

Sl. No.	Identification	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)
	Transponder ID														
52	00064DA999	AMRAPALI	17 Yrs.	Captive Bred	02.01.1999	Jaldapara	NA	Female	Champakali	Wild	JPE Range	Jaldapara Wildlife Division			
53	Transponder not embedded	MATANGINI	9 Yrs.	Captive Bred	31.10.2007	Jaldapara	NA	Female	Muktirani	Wild	JPE Range	Jaldapara Wildlife Division			
54	Transponder not embedded	DIGAMBAR	14 Yrs.	Captive Bred	13.06.2002	South Rydak	NA	Male Tusker	Promila	Wild	JPE Range	Jaldapara Wildlife Division			
55	00064D6C05	JENY	19 Yrs.	Rescued	Age approx. 10 months when rescued	Wild	Rescued from Batabari T.E.on 07.07.1996	Female	Wild	Wild	JPE Range	Jaldapara Wildlife Division			
56	000647CCF4	JONKI	46 Yrs.					Female			JPE Range	Jaldapara Wildlife Division			
57	00064DCBEA	TARZAN	20 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			
58	00064D7E62	NARBAHADUR	20 Yrs.					Male			JPE Range	Jaldapara Wildlife Division			
59	Transponder not embedded	URMI	6 Yrs.	Rescued	Age approx. 12 months when rescued	Wild	Rescued from Tarabari, naya basti (16 FAD) Bagdogra range, Kurseong Div. on 10.01.2010	Female	Wild	Wild	JPE Range	Jaldapara Wildlife Division			
60	00064DABFO	CHANCHAL	18 Yrs.	Captive Bred	25.09.1998	NK	NA	Male	Champarani	Male, Tusker	JPE Range	Jaldapara Wildlife Division			
61	00064DA505	ANUSHUA	41 Yrs.	Captive Bred	31.12.1975	Jaldapara	NA	Female	Matangini	Wild	JPE Range	Jaldapara Wildlife Division			
62	Transponder not embedded	SUJATA	10 Yrs.	Captive Bred	12.12.2005	Malangi	NA	Female	Sundarmoni	Wild	Mendabari	Jaldapara Wildlife Division	Patrolling	Manik Das, CDL	Sanjay Munda, DL
63	Transponder not embedded	RAMU	7 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	Training	Sheron Subba, DL	Mantu Barman, DL
64	Transponder not embedded	SOURAV	8 Yrs.	Captive Bred	05.11.2008	Jaldapara	NA	Male	Sundarmani	NK	Chilapata	Jaldapara Wildlife Division	Patrolling	Dhananjay Subba, DL	Binod Gowala, DL
65	Transponder not embedded	SAILEE	9 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, CDL	Gopal Tamang, DL
66	Transponder not embedded	BALARAM	4 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	Chilapata	Jaldapara Wildlife Division	Training	Jatin Rpy, PDL	Manu Barman
67		DURGA	4 Yrs.	Rescued				Female	Wild		Chilapata	Jaldapara Wildlife Division	Training	Pradhan Oraon, DL	Tapas Barman
68	00064D8A43	DIANA	21 Yrs.	Captive Bred	31.03.1996	Hollong		Female	Wild		Bania Beat	Jaldapara Wildlife Division	Petrolling	Ramlal Oraon, PDL	Binod Oraon, PDL
69	00064D7B93	MADHUMALA	67 Yrs.	Purchased	Age approx. 24 yrs at the time of purchase	NK	Purchased from Sonpur mela on 1979	Female	NK	NK	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Md. Aynul Haque, PDL	Budhu Kharia, PDL
70	0006485BDC	LAXMI	66 Yrs.	Purchased	Age approx. 33 yrs at the time of purchase	NK	Purchased from Sonpur mela on 06.07.1990	Female	NK	NK	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Rabi Narjee, Mahut	Satan Narjee, DL
71	00064D710C	MINAKSHI	25 Yrs.	Captive Bred	11.11.1991	Jaldapara	NA	Female	Shree	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Kato Kharia, BS	Faruk Islam, PDL
72	0006478575	CHAMPAKALI	54 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
73	00064DC240	PRIYADARSINI	27 Yrs.	Captive Bred	25.12.1989	Hollong	NA	Female	Champarani	Wild	CTTL Hollong	Jaldapara Wildlife Division	Tourism	Ratilal Oraon, PDL	Biplab Sutradhar, DL
74		BANGSHIRAJ	2 Yrs.	Rescued	28.06.2014 (Rescued)			Male			CTTL Hollong	Jaldapara Wildlife Division		Delar Ali, DL	
75		AMBHA	2 Yrs.	Captive Bred	02.09.2013	Jaldapara		Female			CTTL Hollong	Jaldapara Wildlife Division		Mamtaj Alam, DL	Sunil Kharia, DL
76		LALUPRASAD	2 Yrs.	Captive Bred	17.07.2014	Jaldapara		Male			CTTL Hollong	Jaldapara Wildlife Division		Nabiul Haque, DL	
77		RANBIR	2 Yrs.	Captive Bred	06.07.2014	Jaldapara		Male			CTTL Hollong	Jaldapara Wildlife Division		Amal, Oraon, DL	
78		ANUSRI		Captive Bred	25.08.2015	Jaldapara		Female			CTTL Hollong	Jaldapara Wildlife Division		Manu Oraon, DL	

Sl. No.	Identification	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred / Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patawala (Pmt/DL / CDL)
	Transponder ID														
79		BOMKESH	2 Yrs.	Rescued	20.11.2015 (Rescued)		Rescued from Lukshan Tea Garden	Male			CTTL Hollong	Jaldapara Wildlife Division		Rajib Subba, DL	Krishna Basumata, DL
80		CALF OF PRIYA-DARSHINI		Captive Bred	14.02.2015	Jaldapara		Female			CTTL Hollong	Jaldapara Wildlife Division			
81	Transponder not embeded	SRIKANTA	11 Yrs.	Captive Bred	13.12.2005	Jaldapara	NA	Male, Tuskar	Sree	Wild	JPN Range	Jaldapara Wildlife Division		Anukul Roy, PDL	Prasenjit Roy, PDL
82	Transponder not embeded	DARSHAN	6 Yrs.	Captive Bred	13.12.2010	Jaldapara	NA	Male	Priyodarshini	Wild Makna	JPN Range	Jaldapara Wildlife Division		Dinol Oraon, PDL	
83	Transponder not embeded	SRIMANTA	14 Yrs.	Captive Bred	05.09.2002	Sissamara	NA	Male, Tuskar	Shree	Wild	JPN Range	Jaldapara Wildlife Division		Lakhindra Rava, PDL	Indrajit Chhetri, PDL
84	Transponder not embeded	CHAITI	10 Yrs.	Captive Bred	31.03.2006	Jaldapara	NA	Female	Champakali	Wild	JPN Range	Jaldapara Wildlife Division		Ranjit Karjee, PDL	Kantik Nayek, DL
85	Transponder not embeded	ROHINI	8 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		Juel Kharia, DL	Rajesh Karjee, DL
86	Transponder not embeded	MUKTARAJA	5 Yrs.	Captive Bred	30.08.2011	Jaldapara	NA	Male	Muktirani	Wild Tuskar	JPN Range	Jaldapara Wildlife Division		Sushef Lakra, DL	
87	00064DBD53	KARNO	15 Yrs.	Captive Bred	14.10.2001	Jaldapara	NA	Male, Makna	Kuntalini	Wild	JPN Range	Darjeeling Wildlife Division		Amal Roy, PDL	Amashu Kharia, DL
88	Transponder not embeded	MITALI	10 Yrs.	Captive Bred	22.08.2006		NA	Female	Minakshi	Wild	JPN Range	Jaldapara Wildlife Division		Chandrey Majhi, PDL	Anil Oraon, DL
89	Transponder not embeded	RASARAJ	11 Yrs.	Captive Bred	27.03.2005	Jaldapara	NA	Male, Makna	Rangini	Wild	JPN Range	Jaldapara Wildlife Division		Chandrey Prodhan, PDL	Pradip Sharma, DL
90	Transponder not embeded	PRITHWIRAJ	13 Yrs.	Captive Bred	28.02.2003	50 ft. beat	NA	Male, Makna	Priyodarshini	Wild	JPN Range	Jaldapara Wildlife Division	Presently posted to Bankura	Anil Soren, DL	Ramesh Kharia, DL
91	00064DF8CE	RANGINI	25 Yrs.	Captive Bred	28.01.1981	Jaldapara	NA	Female	Matangini	Wild	JPN Range	Jaldapara Wildlife Division		Sujit Biswasharma, PDL	Fiku Oraon, DL