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### **Photo Courtesy :**

CCF, Wildlife (North), CCF & FD, Buxa Tiger Reserve, DFO, Darjeeling Wildlife Division; DFO, Gorumara Wildlife Division; DFO, Jaldapara Wildlife Division; DFO, Raiganj Division; DFO, Medinipur Division; DFO, Malda Division; DFO, Nadia-Murshidabad Division, DFO, Purulia Division, DFO, Kangsabati (North) Division, DFO, Kangsabati (South) Division and Officers of Wildlife (HQs).





# 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 has the highest forest cover of 75.52% followed by Jalpaiguri (45.86%). [Source: ISFR – 2015, FSI].

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



At present there are 6 (Six) National Parks, 16 (Sixteen) Wildlife Sanctuaries, 2 (Two) Tiger Reserves, 2 (Two) Elephant Reserves, 1 (One) Biosphere Reserve and 5 (Five) Conservation Reserves in the State. Wildlife in these Protected Areas 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 hitherto many unknown species are being recorded; in the camera trapping exercise in South 24 Parganas Division two photographs of rare Melanistic Leopard Cat was found. On the other hand in Buxa Tiger Reserve photographs have captured Clouded Leopard during Camera Trapping exercise.



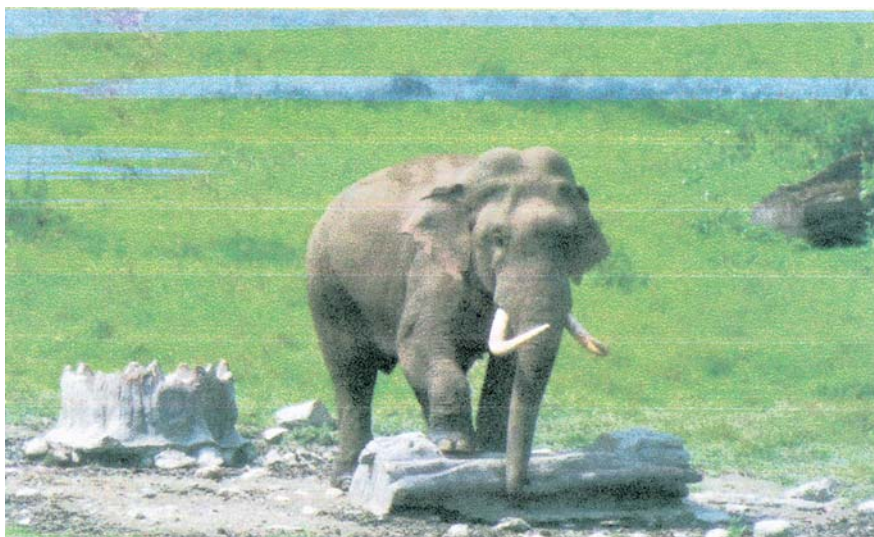
## 1.02 Forest and Protected Areas of West Bengal

District	Geographical Area	Recorded Forest Area	% of Recorded Forest Area	Area of PA (NP/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	2095.40	839.6421	40.07	244.74
Kalimpong	1053.60	364.3579	34.58	159.8917
Howrah	1467	-	-	-
Hoogly	3149	3	0.10	-
Jalpaiguri	2844	722.8401	25.42	119.87
Alipurduar	3383	1067.1599	31.54	977.2099
Malda	3733	20	0.54	-
Paschim Medinipur	10019.58	1690.13	16.87	-
Purba Medinipur	4061.42	18.87	0.46	-
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
<b>Total</b>	<b>88752</b>	<b>11879</b>	<b>18.96</b>	<b>4691.8462</b>

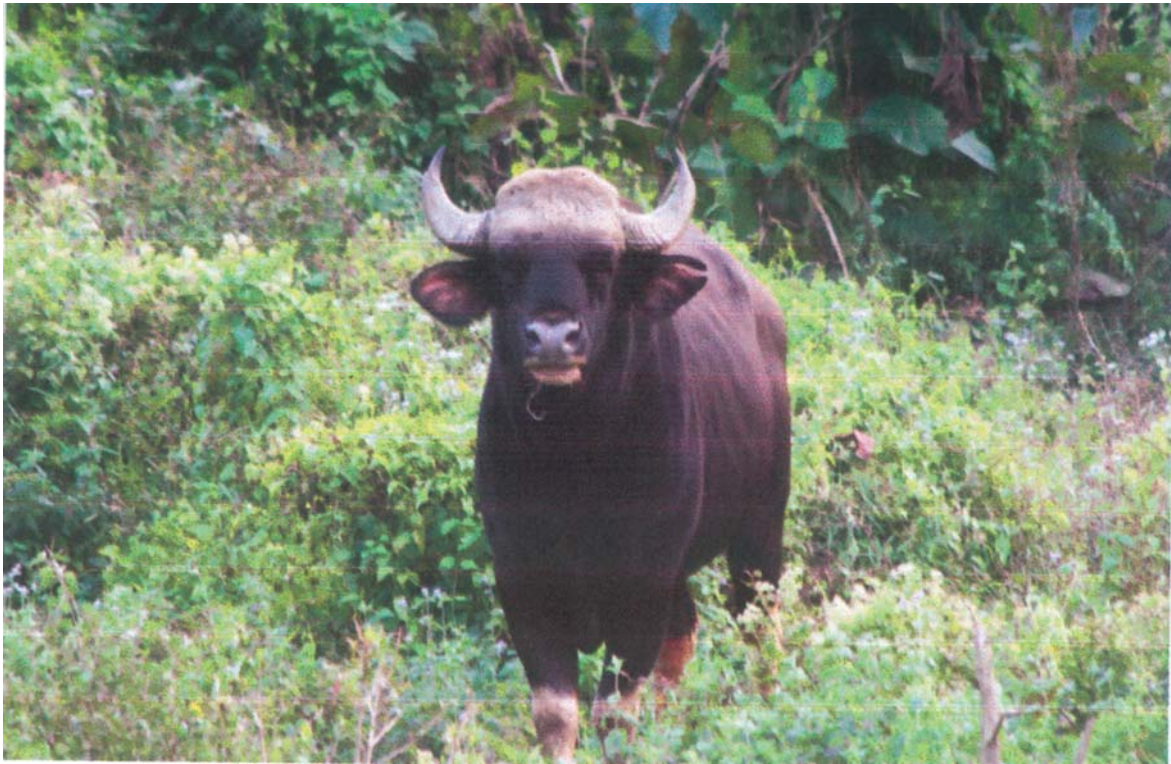
\* Area in Sq. Km.

Source:

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







## 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 2016-17 are annexed.

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

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

To generate cooperation from the fringe area population, various schemes aimed both at the community and individual beneficiary are undertaken with an aim to generate alternate livelihood avenues, side by side with the community development of these fringe areas. Building of schools, roads, community centres, 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



### **Preparation of Microplan in Jaldapara EDC**

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



## 2.02 National Parks & Sanctuaries in West Bengal

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

## 2.03 Tiger Reserves in West Bengal

Tiger Reserve :				
<b>1. Buxa Tiger Reserve</b>			7B	Alipurduar
Core Area	390.5813	3051-For dt. 06.08.09		
Buffer Area	370.2886	3050-For dt. 06.08.09		
<b>Total</b>	<b>760.8699</b>			

<b>Tiger Reserve :</b>				
<b>2. Sundarban Tiger Reserve</b>			8B	South-24 Parganas & North-24 Parganas
Core Area	1699.62	6028-For dt. 18.12.07		
Buffer Area	885.27	615-For dt. 17.02.09		
<b>Total</b>	<b>2584.89</b>			
* The total area includes NP and Sanctuary areas already mentioned.				
<b>Total:</b>	<b>3345.7599</b>			

## 2.04 Biosphere Reserve in West Bengal

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

## 2.05 Elephant Reserves in West Bengal

<b>Elephant Reserves :</b>				
<b>Eastern Duars ER</b>		3293-For dt. 28.8.2002	7B	Jalpaiguri & Alipurduar
Core	484.00			
Buffer	493.51			
<b>Total</b>	<b>977.51</b>			
Mayurjharna ER	414.00	3040-For. dt. 24.10.2002	6B	Paschim Medinipur, Bankura and Purulia
<b>Total</b>	<b>1391.51</b>			

## 2.06 Conservation Reserves in West Bengal

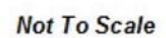
Conservation Reserves	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District
Deul	10.50	1555-For.dt.19.05.2017	7B	Burdwan
Hijli	15.50	1555-For.dt.19.05.2017	6B	Paschim Medinipur
Tekonia	5.87	1555-For.dt.19.05.2017	7B	Coochbehar



Conservation Reserves	Area in Sq. Km.	Notification No. & Date	Bio-geographic Zone	District
Mukutmonipur	43.70	1555-For.dt.19.05.2017	6B	Bankura
Garpanchkot	1340.34	1555-For.dt.19.05.2017	6B	Purulia
<b>Total</b>	<b>1415.91</b>			



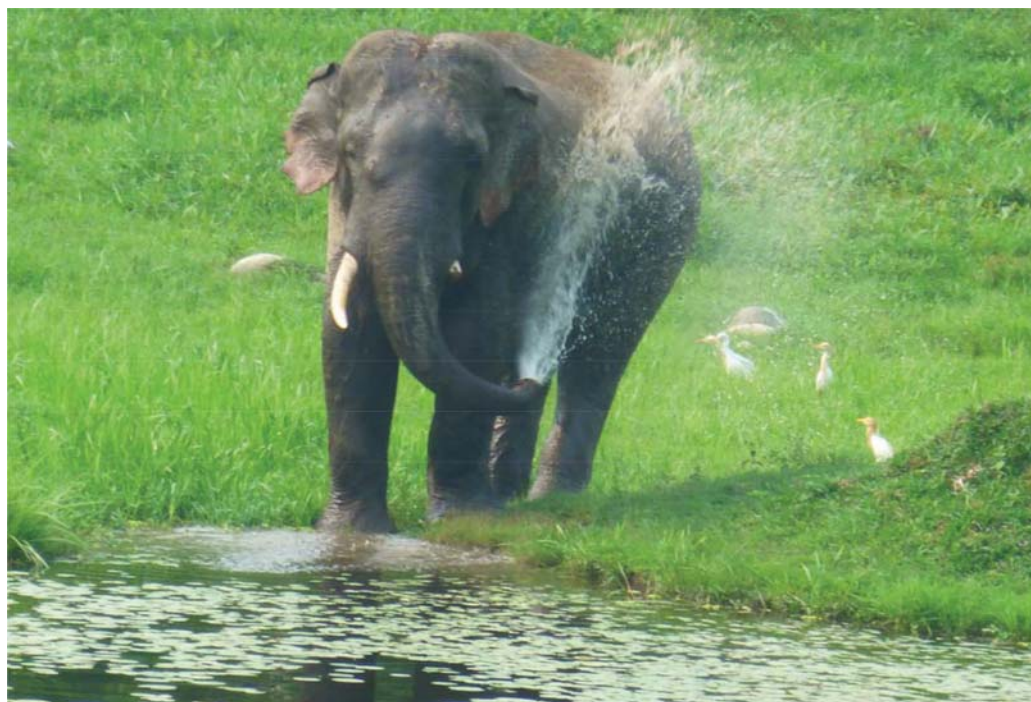
### Location of Protected Areas in West Bengal





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

Sl. No.	Name of Protected Area/ Tiger Reserve	Period	Present Status
1	Sundarban Tiger Reserve (incl. Sundarban NP & Sajnekhali WLS)	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 approved by NTCA
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	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	Chintamoni Kar Wildlife Sanctuary	2015-16 to 2024-25	Under Process
19	West Sundarban Wildlife Sanctuary	2016-17 to 2025-26	Management Plan Operational
20	Pakhi Bitan Wildlife Sanctuary	—	Under Process







## Chapter-3

### Ex-Situ Conservation Areas







## 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



Gharial released in the Ganga near Manikchak Ghat on 24.10.2016.

around 580 crocodiles in various creeks and rivers of Sunderbans to augment the population of this endangered species. After release of two Red Pandas in Singhalila National Park the Forest Department 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 in association with Wildlife Institute of India and Zoological Survey of India.

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

### **Zoos in West Bengal**

#### **Government Zoos**

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

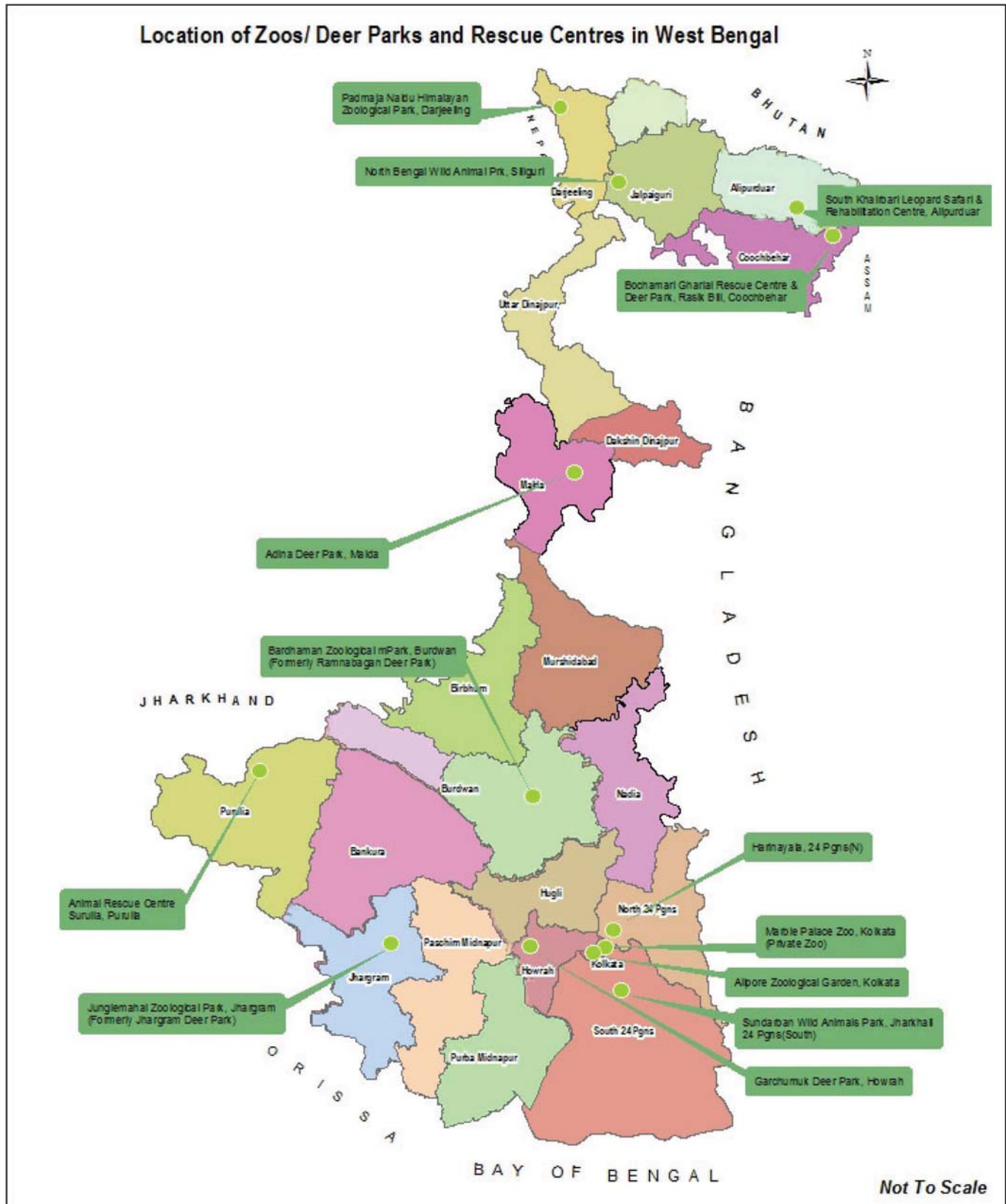


#### **Private Zoos**

1. Marble Palace Zoo



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

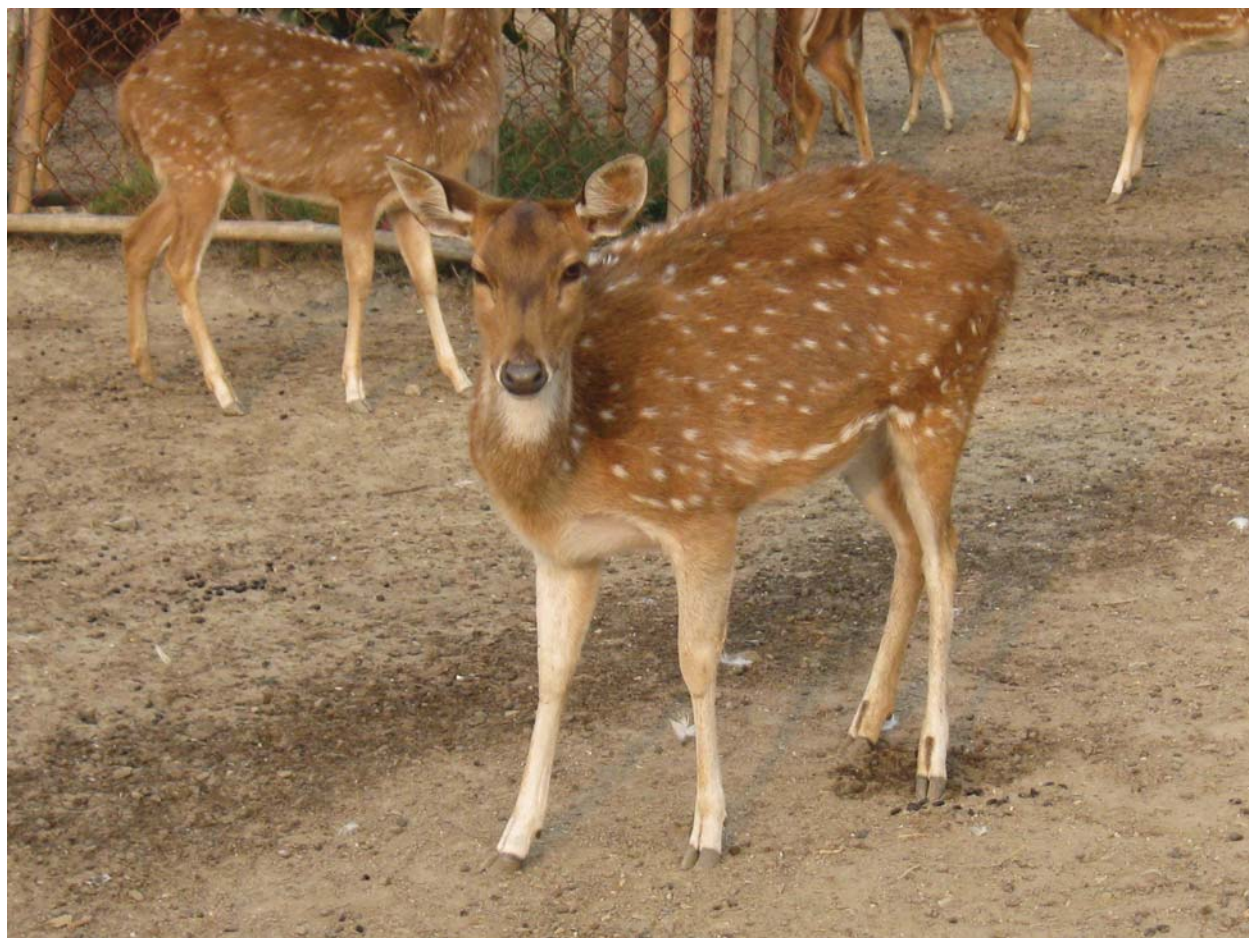


### 3.04 Recognition Status of Rescue Centres / Deer Parks / Zoos in West Bengal

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)/902/2016 dt.15.06.2016.
6.	Adina Deer Park, Adina, Malda	Malda Division	Recognized as 'Mini Zoo' upto 05.05.2018.	F.No.22-49/2004-CZA(489)(NS)/911/2016, dt.20.06.2016.
7.	Bardhaman Zoological Park, Bardhaman (formerly known as Ramnabagan Deer Park)	Burdwan Division	Recognized as 'Small Category Zoo' upto 05.05.2017. (Name changed to Bardhaman Zoological Park vide W.B. Govt. Notification No. 1153-For/O/11M-11/2015 dt. 03.06.15)	F.No. 23-67/2004-CZA(473)(Vol.I)(Pt.)NS/963 /2016, dt.22.06.2016.
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.	Alipore Zoological Garden, Kolkata	Kolkata	Recognized as 'Large Category Zoo' upto 30.11.2018.	F.No.19-45/92-CZA (328) (Vol.III) (Pt.)(NS)/8024, dt.18.11.2015.
10.	Marble Palace Zoo (Private)	Kolkata	Recognized as 'Mini Zoo' upto 30.04.2015.	19-81/93-CZA(316) (M)/4622, dt. 09.04.2014.



11.	Junglemahal Zoological Park, Jhargram (Formerly known as Jhargram Deer Park & Mini Zoo)	Jhargram Division	Recognized upto 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
12.	Sundarban Wild Animals Park, Jharkhali (Jharkhali Satellite Zoo)	24-Parganas (South) Division	Relocation of Kumari Kangsabati Deer Park, Bankura to Sundarban Wild Animals Park, Jharkhali approved by the CZA	F.No.19-224/93-CZA(322)(NS)/7298 dt. 17.06.2015 & F.No.19-224/93-CZA(322)(Vol-I) (AK) /2048/2016 dt. 15.07.2016
13.	Harinalaya, New Town, Kolkata	24-Parganas (North) Division	Deer Park	F.No. 22-81/2004-CZA(498)(Vol.I)(NS)/7547 dt. 06.08.2015



## Chapter-4

### Estimation of Wild Animals









## 4 Estimation Of Wild Animals

### 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.

Census Year	Location	Total number	Remarks
2016-17	Sundarban Tiger Reserve & 24-Parganas (South) Division	87	Estimation of Tiger, Co-predators & Prey as per procedure prescribed by NTCA in collaboration with WII and WWF during 2016-17
2014	Northern West Bengal	3	-do-

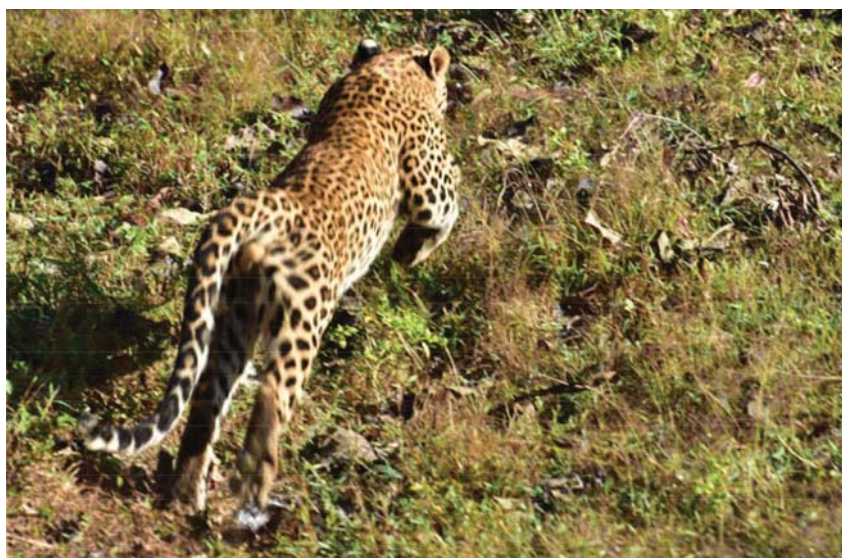


### Leopard :

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

### Leopard Census:

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



### Gaur :

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)

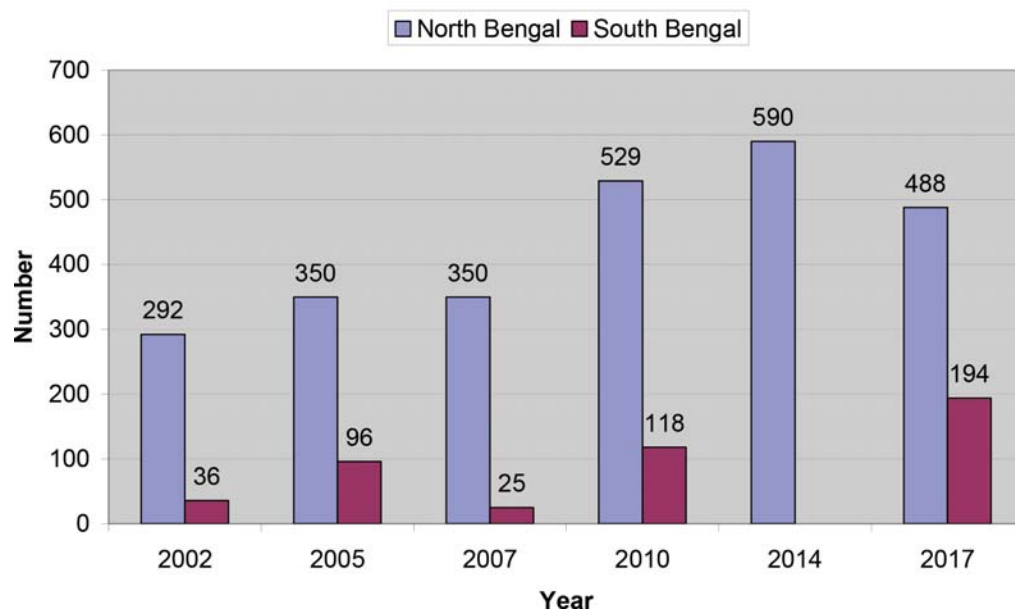
Year	Total Number
2012-13	414 (BTR(W))
2013-14	782 (BTR(W))

#### 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.
2017	All India Synchronized Elephant Population Estimation North Bengal – 488 nos. and South Bengal 194 nos. vide Project Elephant, Govt. of India's letter dated 14th August, 2017 (preliminary report)

**Elephant Population in North and South Bengal**





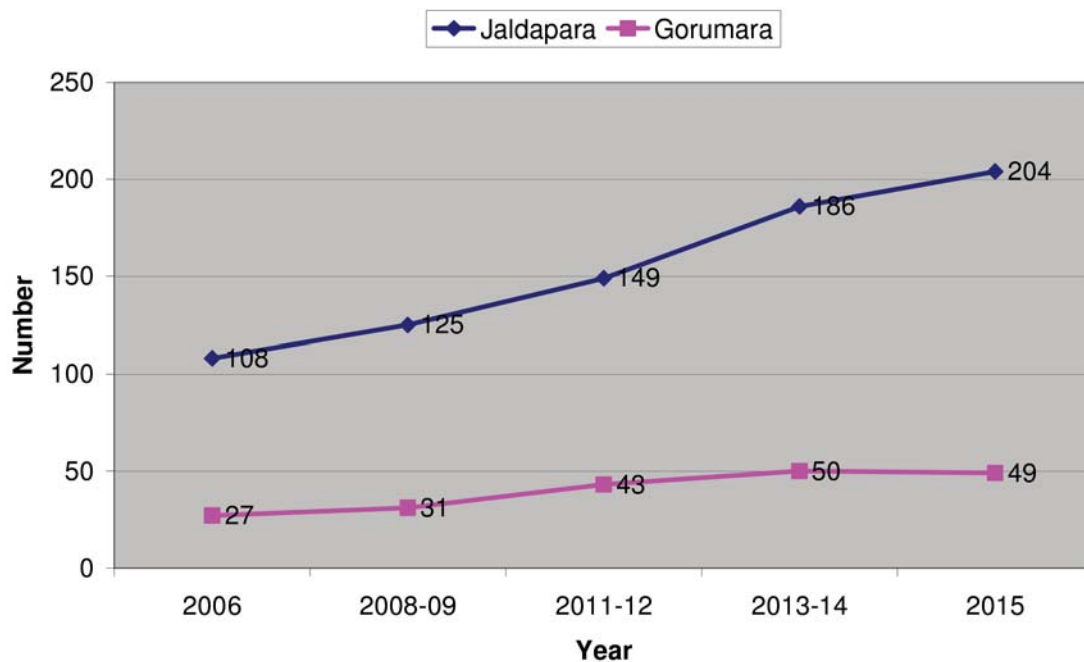
## Rhinoceros :

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
<b>Grand Total</b>	<b>92</b>	<b>95</b>	<b>13</b>	<b>55</b>	<b>255</b>



### 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

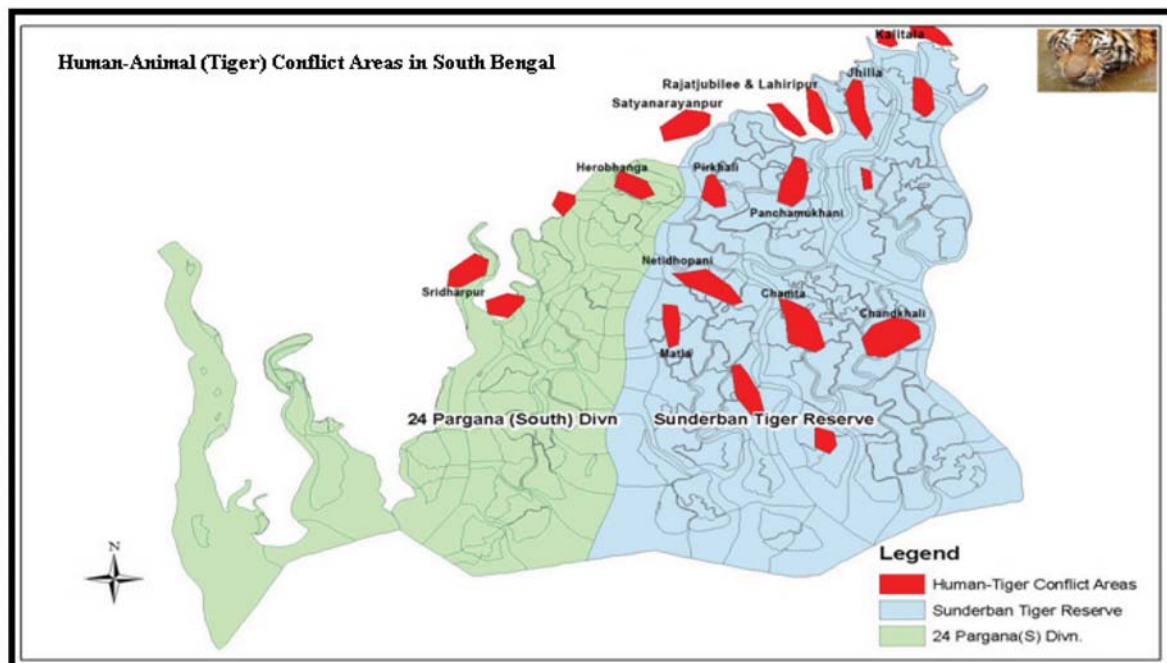
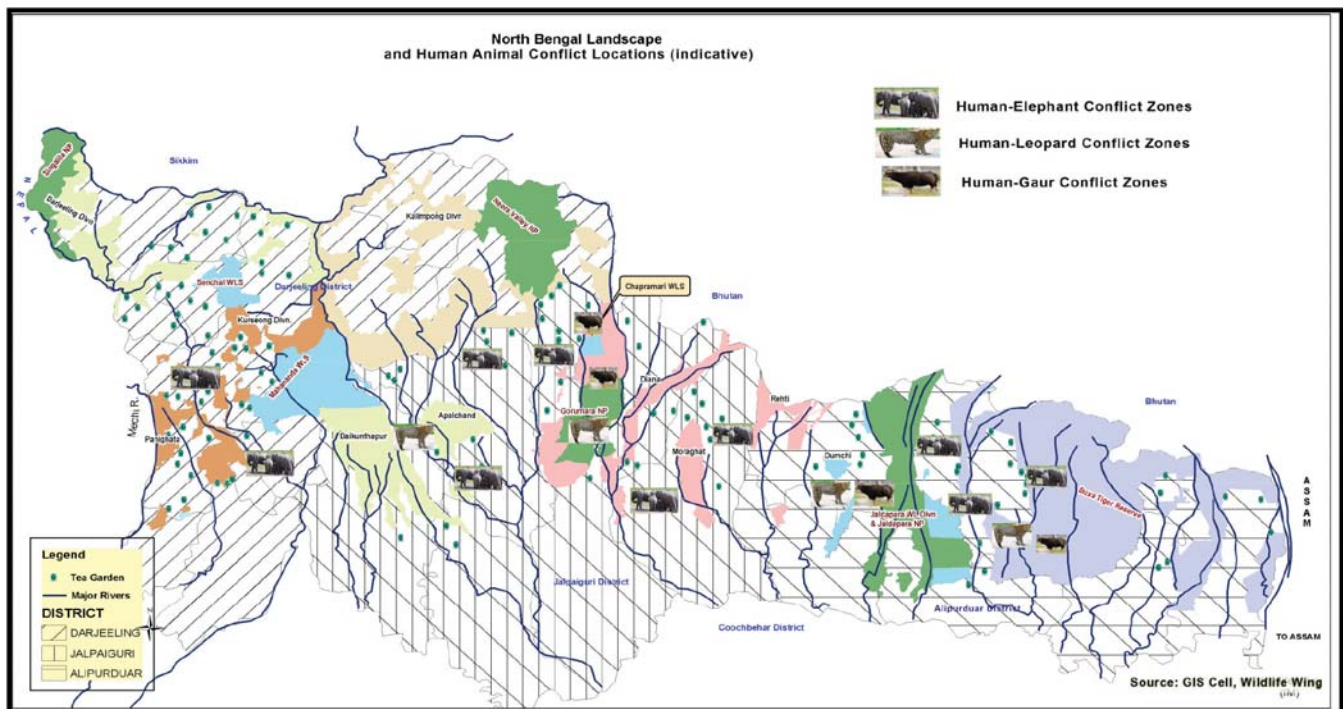
### Human-Wildlife Conflict Mitigation of Conflict



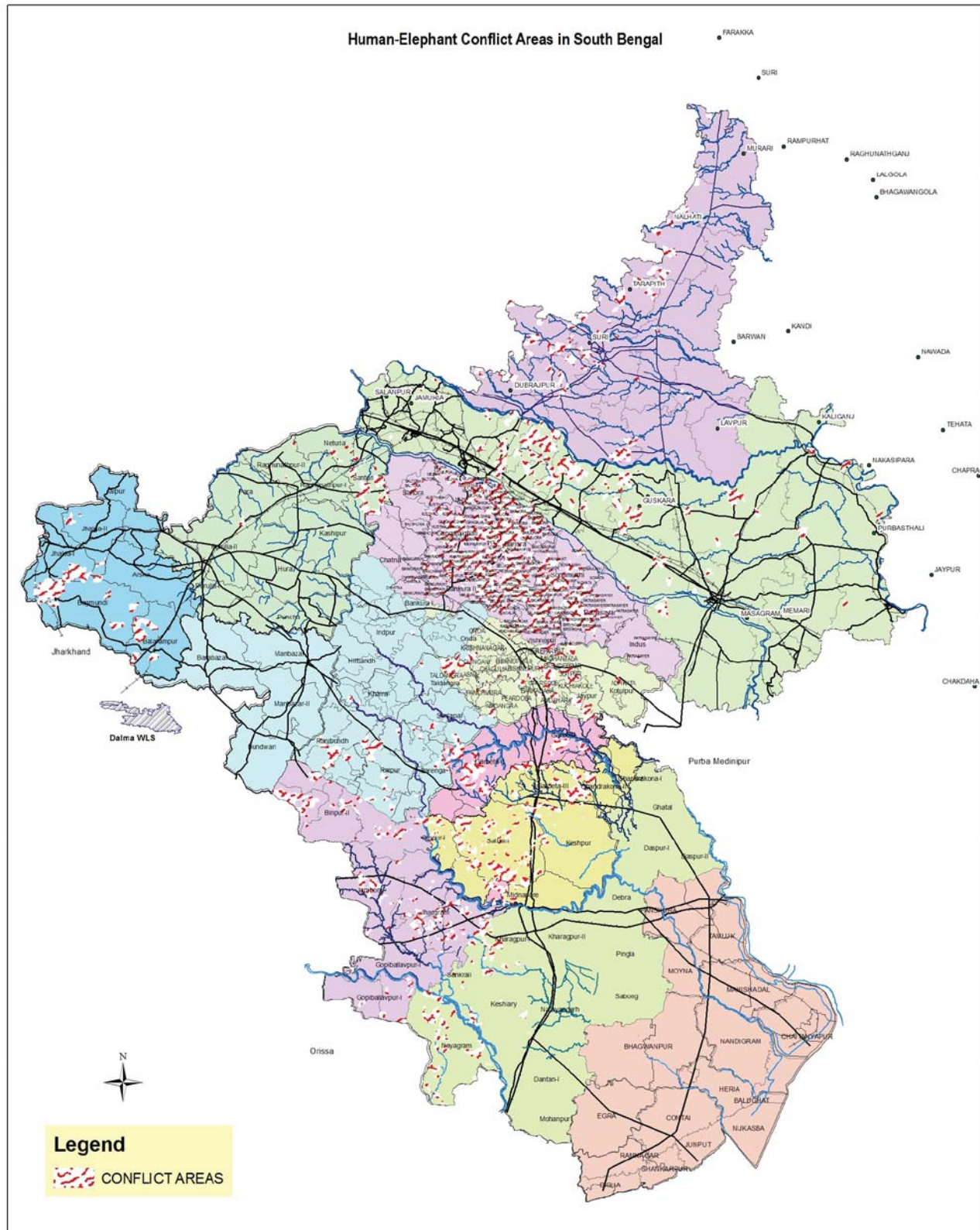




## 5.01 Human Wildlife Conflict Areas in West Bengal







## 5.02 Human-Wildlife Conflict

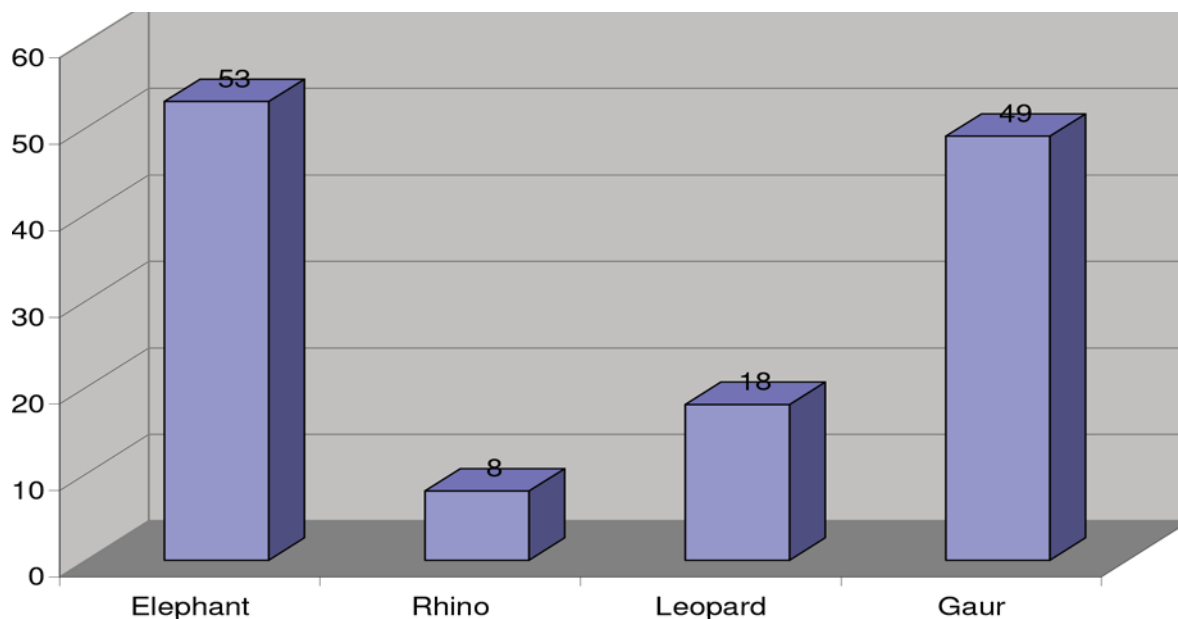
Conflicts usually arise out of straying of wild animals into human habitations and result into either killing of the wild animals or death/injury of human beings and loss of crop/cattle/houses.

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	Deciared Rouge & eliminated	Total
Wild Elephant	34	11	1	5	2	53
Tiger	1	–	–	–	–	1
Leopard	13	5	–	–	–	18
Rhinoceros	8	–	–	–	–	8
Gaur	44	4	1	–	–	49
Barking Deer	10	6	–	–	–	16
Sambar	1	–	–	–	–	1
Spotted Deer	21	2	–	–	–	23
Hyena	–	1	–	–	–	1
Wild Boar	5	–	–	–	–	5
Crocodile	4	–	–	–	–	4
Leopard Cat	–	2	–	–	–	2
Jungle Cat	2	–	–	–	–	2
Civet	2	1	–	–	–	3
Python	4	1	–	–	–	5
Dolphin	2	1	–	–	–	3
Swamp Deer	8	–	–	–	–	8
Marbled Cat	1	–	–	–	–	1
Fishing Cat	6	–	1	–	–	7
Nilgai	3	–	–	–	–	3
Hog Deer	-	1	–	–	–	1
Chinese Ferret Badger	-	1	–	–	–	1
Total	169	36	3	5	2	215

**Death of Major Wild Animal during 2016-17**



#### 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	26.08.2016 (7:30 PM)	Near Ghugimara forest in between Peardoba and Bishnupur Rail Station, Panchet Division	Female, Adult (32 yrs.), Female, Sub-Adult (12 yrs.), Male, Calf (16 days)	3 Nos.	Hit by train no. 58601 Up Kharagpur to Adra Passenger Train	
Leopard	09.06.2016	Near Madhu Tea Garden	Male, Adult	1 No.	Train accident	
Python	15.04.2016	154/6 on Hamilton RVK Track under Hamiltonganj Range		1 No	Train Accident	





### 5.05 Death of Wild Animals caused by Road accident during 2015-17

Sl. No.	Animal	Sex	Age	Division	Date of occurrence	Place of incidence
1.	Hyena		.	Birbhum Division	15-Jun-16	NH-60 near Khairakuri More under Md. Bazar Range
2.	Leopard Cat			Darjeeling Wildlife Division	18-Oct-16	7th Mile Range
3.	Bison			Jalpaiguri Division	13-Nov-16	NH-31 near Panjhora of Chalsa
4.	Leopard Cat			Jalpaiguri Division	28-Jan-17	Near Khunia more of Chalsa
5.	Chinese Ferret Badger	Male	Adult.	Buxa Tiger Reserve (West)	06-Mar-17	Buxa Fidler Road, near DPO-4 Comptt., under EDPO Range
6.	Leopard	Male	Adult	Buxa Tiger Reserve (West)	21-Mar-17	Nimtijhota Tea Garden, 500 mtr away from NH-31

### 5.06 Death of elephants caused by electrocution during 2016-17

Sl.	Date	Sex	Age	Place	Division	Category	Remarks
1	24-Apr-16	Male (Tusker)	18-20 yrs.	Mouza-Khasjungle-227, Plot No.74 of Moupal Beat, Bhadutala Range	Medinipur Division	Accident	Unintentional electrocution from the deep tube well electric connection in Agricultural field
2	13-May-16	Female	12 yrs.	Anantabati Mouza of Indkata Beat, Sonamukhi Range	Bankura (North) Division	Retaliatory Killing	Due to electrocution
3	18-Jun-16	Male (Makna)	45 yrs	Debisimul Khas Busty under P.S. Birpara	Jalpaiguri Division	Retaliatory Killing	Due to electrocution
4	10-Sep-16	Female	14 yrs.	Kiran Chandra Tea Garden under Bagdogra Range	Kurseong Division	Accident	Electrocution due to high tension line leakage of current
5	10-Sep-16	Female	35 yrs.	Kiran Chandra Tea Garden under Bagdogra Range	Kurseong Division	Accident	Electrocution due to high tension line leakage of current
6	20-Sep-16	Female	18-20 yrs.	Pirargaria Mouza of Kalimati Beat under Bagmundi Range	Purulia Division	Accident	Accidental electric shock
7	11-Jan-17	Male	15-18 yrs.	Mouza Kharikasuli -552, Garhbeta-I Block, Dhadika Beat under Garbeta Range	Rupnarayan Division	Retaliatory Killing	Due to cardiac failure on account of electrocution
8	18-Jan-17	Male	35-40 yrs.	Potato field near village Kodalia, Mouza-Katapesia, Vill. Kodalia, Belboni Beat under Bankura North Range	Bankura (North) Division	Retaliatory Killing	Cardio-respiratory failure due to Electrocution
9	09-Feb-17	Male (Tusker)	20 yrs.	Mouza Saulia of Brindabanpur Beat of Beliatore Range	Bankura (North) Division	Retaliatory Killing	Cardio-respiratory failure due to Electrocution
<b>14 elephants killed due to electrocution during 2015-16 in West Bengal.</b>							

### 5.07 Death of Departmental Elephants during 2016-17

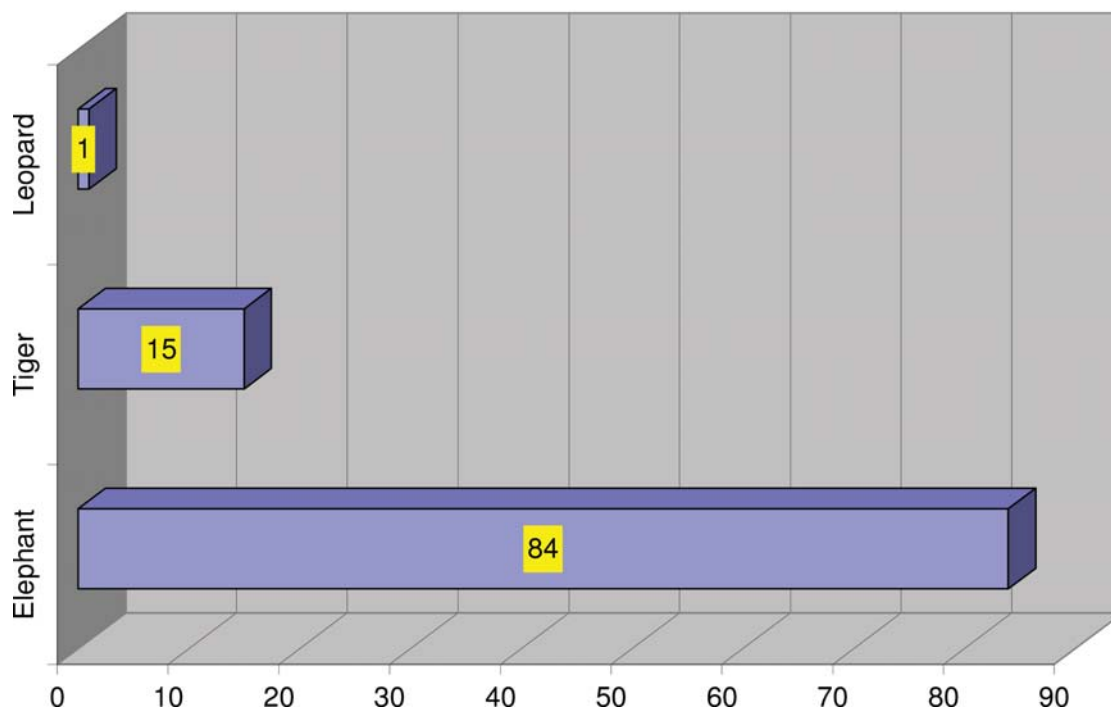
Sl. No.	Date	Sex	Age	Division	Place of incidence	Cause of Death	Remarks
1.	20.07.16	Male	20 days	Jaldapara Wildlife Sanctuary	Kumargram	Natural	Wild Elephant calf
2.	18.10.16	Male	1 month	-do-	Luksan TG	Natural	Bomkesh
3.	03.12.16	Female	1 day	-do-	Jaldapara HQ	Natural	Calf of Jeny

### 5.08 Person killed /injured by Wild Animals during 2016-17

Sl. No.	Name of Animal	No. of Persons Killed	No. of Persons injured
(1)	(2)	(3)	(4)
1	Elephant	84	57
2	Tiger	15	1
3	Leopard	1	29
4	Gaur (Indian Bison)	2	12
5	Himalayan Black Bear		1
6	Sloth Bear		1
7	Wild Boar		1
8	Barking Deer		2
<b>Total</b>	<b>124</b>	<b>151</b>	

Persons killed by Major Wild Animal during 2016-17

Persons killed by Major Wild Animal during 2016-17



### 5.09 Forest Staff Killed / Injured by Wild Animal during 2016-17

Date	Name	Designation	Killed/ Injured	Division	Remarks
20.08.2016	Sri Ram Chandra Uria, Khunia Wildlife Squad Range.	B.S.	Injured by <b>Gaur</b>	Gorumara Wildlife Division	During the Gaur straying duty.
07.11.2016	Sri Dhan Bahadur Bhujel, Khunia Wildlife Squad Range.	F.M.	Injured by <b>Wild Elephant</b>	Gorumara <b>Wildlife Division</b>	During the Elephant depredation duty.
07.11.2016	Sri Harka Bahadur Rai, Khunia Wildlife Squad Range.	B.S.	Injured by <b>Wild Elephant</b>	Gorumara Wildlife Division	During the Elephant depredation duty.
22.11.2016	Sri Debaru Barman, Khunia Wildlife Squad Range.	B.S.	Injured by <b>Wild Elephant</b>	Gorumara Wildlife Division	During the Elephant depredation duty.
16.12.2016	Sri Sanatan Sardar	F.G.	Injured by <b>Tiger</b>	24-Parganas (South) Division	While performing patrolling duty at the time of tiger straying at Raidighi Range
27.03.2017	Sri Mantu Barman	Mahaut	Injured by <b>Gaur</b>	Jaldapara Wildlife Division	During Patrolling

Forest staff killed by wild animal during 2016-17 – 2 Nil.

Forest staff injured by wild animal during 2016-17 – 6 Nos.





## 5.10 Straying of Wild Animals during 2015-16

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
<b>Elephant</b>					
01.04.2016 to 04.05.2016	1 No. Elephant	Different Forest areas of Guskara, Durgapur, Panagarh & Burdwan Range i.e. Mouza Balarampur, Bistupur, Amrargarh, Gerai etc., Burdwan Division	Deployment of staff / Mobile Range staff , D.L., Local Hulla Party ,FPC Member etc. Intensive campaigning through miking , leaflets etc. in the driving operation of wild Elephant.		
05.04.2016 to 10.04.2016	1No. semi-residential Elephant	Durgapur , Shibpur, Bistupur Mouza. Bordoba Mouza , Soain,Kherobari etc.t under different Ranges, Burdwan Division	-do-		
11.04.2016 to 15.04.2016	2 Nos. Tusker	Different Ranges of Forest area i.e Kherobari, Hedegoria, Khandari , Premganj, Pratappur etc., Burdwan Division	-do-		
14.04.2016	Elephant herd	Dimdima Tea Garden, Jalpaiguri Division	Driven back to nearby forest		
17.05.2016	Tusker 8 - 10 Nos. , 7 – 8 Nos. Sub adult 2 Nos. Calf	Kakagaitee division of Washabari Tea Estate, Gorumara Wildlife Division	Drive to Mahananda Wildlife Sanctuary	Some Tea Plan damage	
19.05.2016	2 Nos. Tusker , 3 Nos. Female	Chell Line, Gorumara Wildlife Division	Drive to Bhutatbari Forest	Some Tea Plan damage	
21.05.2016	1 No. Tusker, 4 Nos. Female, 5 Nos. Sub-adult , 1 No. Calf	Meenglass Tea Estate, Gorumara Wildlife Division	Drive to Bhutatbari Forest	Some Tea Plan damage	
28.05.2016	1 No. Elephant (Male, 11 yrs.)	Mouza Junglekhas, Ramgarh Beat of Goaltore Range, Rupnarayan Division	Watch & ward for sufficient food and water		One elephant itself dead
28.05.2016 to 06.06.2016	3 Nos. Elephants	From Bankura Crossing Damadar river entered at Panagarh Army Base, Burdwan Division	Deployment of staff / Mobile Range staff , D.L., Local Hulla Party ,FPC Member etc. Intensive campaigning through miking , leaflets etc. in the driving operation of wild Elephant.		
06.06.2016 to 08.06.2016	1 No. Tusker	Burdwan, Khandaghosh, Patrasayer & Bardwan Sadar, Burdwan Division	Elephant was tranquilized & captured & sent to Sukna Forest.		
09.06.2016	1 No. Elephant (Male, 50 yrs.)	Barapatasole Beat of Goaltore Range, Rupnarayan Division	Watch & ward for sufficient food and water		One elephant itself dead
10.06.2016	Elephant – 12 Nos.	Kalabari Village, Gorumara Wildlife Division	Totapara Forest Drive		
13.06.2016	1 No. Elephant (Makna, 40 yrs.)	From Assam Jaraguri to Narathali forest via Barobisha National Highway	Properly drive without any havoc damage instead of lots of public disturbance, agony, etc.	Pucca house, paddy field etc.	
13.06.2016	Elephant	Barobisha		Nil	Released at Narathali under B.T.R. (East) Divn.
21.06.2016	Elephant – 10 Nos.	Lokhipara T.G. , Gorumara Wildlife Division	Daina Forest Drive		
25.06.2016	1 No. Elephant (Male-Tusker, 20-25 yrs.)	Kharikasuli, Rupnarayan Division	Elephant driven towards deep forest	Human death-1 No.	
01.07.2016	1 No. Wild Elephant (35Yrs,Male)	Sarasbedia (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Killed a person & Crop damage	
05.07.2016	1 No. Wild Elephant (35Yrs,Male)	Lurka, Moulasole, Naryanpur (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
11.07.2016	Elephant – 80 Nos.	Binnaguri Army Cant. , Gorumara Wildlife Division	Rathi Forest Drive		
24.07.2016 to 03.08.2016	11 Nos. Elephant	Gopalpur, Shibpur , Basudha, Molandighi, Akandara etc. under Durapur , Panagarh / Range, Burdwan Division	Deployment of staff, Mobile Range staff , D.L. Local Hulla Party ,FPC Member etc. Intensive campaigning through miking , leaflets etc. in the driving operation of wild elephant.		

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
01.08.2016	1 No. Tusker	Bataiguri Village, Gorumara Wildlife Division	Drive to Burikhola Beat	Some Tea Plant damage	
04.08.2016 to 19.08.2016	1 Tusker	Durgapur Range, Shibpur, Kherobari, etc., Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
29.08.2016	1 No. Elephant (Female, 10-11 yrs.)	Mouza Tangasole, JL No. 285, Hoomgarh Beat under Hoomgarh Range, Rupnarayan Division	Watch & ward for sufficient food and water		One elephant itself dead
30.08.2016 to 31.08.2016	1 No. Elephant	Durgapur Range, Shibpur, Kherobari, etc., Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
31.08.2016	Elephant – 07 Nos.	Kathalguri T.G., Gorumara Wildlife Division	Rathi Forest Drive		
02.09.2016	2 Nos. Tusker, 1 No. Makhna	Sylee Tea Estate, Gorumara Wildlife Division	Drive to Targhera Forest	Some Tea Plant damage	
11.09.2016	1 No. Tusker, 2 Nos. Makhna, 5 Nos. Sub adult, 2 Nos. Calf	Chell Line, Gorumara Wildlife Division	Bhuttabari Forest	Some Tea Plant damage	
12.09.2016	1 No. Elephant (Female, 10 yrs.)	Mouza Patharmari-286 of Baramesia Beat under Hoomgarh Range, Rupnarayan Division	Watch & ward for sufficient food and water		One elephant dead due to snake bite
13.09.2016	1 No. Elephant (Female, 7-8 yrs.)	Mouza Asansuli, JL No. 282, Baramesia Beat under Hoomgarh Range, Rupnarayan Division	Watch & ward for sufficient food and water		One elephant dead
25.09.2016	1 No. Elephant (Male-Solitary-Tusker, 22-25 yrs.)	Mahalisai-101, Rupnarayan Division	Elephant driven towards deep forest	Human death-1 No.	
04.10.2016	1 No. Tusker, 3 Nos. Makhna, 4 Nos. Female, 2 Nos. Sub-adult, 1 No. Calf.	Washabari Tea Estate, Gorumara Wildlife Division	Drive to Mahananda Wildlife Sanctuary	Some Tea Plant damage	
04.10.2016 to 11.10.2016	1 No. Elephant	Different areas of Durgapur & Panagarh Range, Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
08.10.2016	2 Nos. Tusker, 1 No. Makhna, 4 Nos. Female, 1 No. Calf.	Sylee Tea Estate, Gorumara Wildlife Division	Bhuttabari Forest	Some Tea Plant damage	
12.10.2016 to 13.10.2016	1 No. Tusker	Different areas of Durgapur Range, Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
14.10.2016	1 No. Elephant	Different areas of Durgapur Range, Burdwan Division	-do		
15.10.2016	1 No. Tusker	Different areas of Durgapur Range, Burdwan Division	-do-		
16.10.2016	1 No. Elephant	Different areas of Guskara Range, Burdwan Division	-do-		
25.10.2017	1 No. Wild Elephant (20Yrs, Male)	Dhanishukni (Ambakra Beat, Sarenga Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Hut damage, Crop damage	
27.10.2016	1 No. Wild Elephant (35Yrs, Male)	Sarasbedia (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
29.10.2016	2 Nos. Tusker, 1 No. Makhna	Lease river Tea Estate, Gorumara Wildlife Division	Targhera Forest	Some Tea Plant damage	

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
29.10.2016	3 Nos. Tusker, 2 Nos. Female, 10-15 Nos. Female, 10-15 Nos. Sub – adult , 4-5 Nos. Calf	Kalagaitee of Washabari Tea Estate, Gorumara Wildlife Division	Mahananda Wildlife Sanctuary	Some Tea Plant damage	
14.11.2016	Elephant – 01 No.	Hridaypur Village, Gorumara Wildlife Division	Daina Forest Drive		
15.11.2016	Elephant – 01 No.	Ganda Para T.G. , Gorumara Wildlife Division	Totapara Forest Drive		
17.11.2016 to 18.11.2016	1 No. Tusker	Different area of Durgapur, Panagarh & Guskara Range, Burdwan Division	Deployment of staff, Mobile Range staff , D.L. Local Hulla Party ,FPC Member etc. Intensive campaigning through miking , leaflets etc. in the driving operation of wild elephant.		
22.11.2016	Elephant – 25 Nos.	Ganda Para T.G. , Gorumara Wildlife Division	Totapara Forest Drive		
22.11.2016	Elephant (Calf)	Near Rly. Track, Damanpur.		Nil	Released
23.11.2016	25 Nos. Wild Elephant (Tuskar, Male, Female, Calf etc.)	Lurka, Pusda, Gosda, Sirsha, Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
24.11.2016	Elephant – 30 Nos.	Ganda Para T.G. , Gorumara Wildlife Division	Totapara Forest Drive		
24.11.2016	24 Nos. Wild Elephant (Tuskar, Male, Female, Calf etc.)	Sirsha, Naryanpur (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
24.11.2016	3 Nos. Wild Elephant (1no-M, 2nos-F)	Belepal (Sarenga Beat, Sarenga Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Killed a person & Crop damage	
24.11.2016	A Tusker of a small residential herd of 3 Male elephants, (25-30 yrs.)	Orma, Rupnarayan Division	Elephant driven towards deep forest	Human death-1 No.	
24.11.2016	A Tusker of a small residential herd of 3 Male elephants, (25-30 yrs.)	Chandabila, Rupnarayan Division	Elephant driven towards deep forest	Human death-1 No.	
25.11.2016	3 Nos. Wild Elephant	Sirsha, Naryanpur (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Killed a person & Crop damage	
25.11.2016	22 Nos. Wild Elephant	Asurgeria, Chapapal (MG-II Beat, MG-Range)	Engagement of Hulla Party & Miking	Killed a person & Crop damage	
27.11.2016	22 Nos. Wild Elephant	Karamberia (MG-I Beat, MG-Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
28.11.2016	22 Nos. Wild Elephant	Talgora (RB Beat, Ranibandh Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
29.11.2016	22 Nos. Wild Elephant	Ghagra, Katium (RB Beat, Ranibandh Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
30.11.2016	22 Nos. Wild Elephant	Kulam (Ambikanager Beat, Ranibandh Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
01.12.2016	22 Nos. Wild Elephant	Bethuala,Kamu (Ambikanager Beat, Ranibandh Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
12.12.2016	Elephant – 07 Nos.	Ganda Para T.G. , Gorumara Wildlife Division	Totapara Forest Drive		
12.12.2016 to 20.01.2017	1 No. Loner Tusker	Different area of Durgapur, Panagarh & Guskara Range, Burdwan Division	Deployment of staff, Mobile Range staff , D.L. Local Hulla Party ,FPC Member etc. Intensive campaigning through miking , leaflets etc. in the driving operation of wild elephant.		
22.12.2016	22 Nos. Wild Elephant	Mahadebsinan (RB Beat, Ranibandh Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
23.12.2016	22 Nos. Wild Elephant	Jovi (Ambikanager Beat, Ranibandh Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
24.12.2016	22 Nos. Wild Elephant	Hakimsinan, Bhalukadungri (Pirra Beat, MG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Killed one Cow & Crop damage	



Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
25.12.2016	22 Nos. Wild Elephant	Rangasole (Pirra Beat, MG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
26.12.2016	22 Nos. Wild Elephant	Bhalukadungri, Haludkanali, Sonagara (Pirra Beat, MG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
27.12.2016	22 Nos. Wild Elephant	Rangasole (Pirra Beat, MG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
28.12.2016	22 Nos. Wild Elephant	Khalpara, Indrojore (Pirra Beat, MG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
28.12.2016	24 Nos. Wild Elephant	Rajakhas (PG-I Beat, PG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
29.12.2016	21 Nos. Wild Elephant	Tentuldanga, (Ambakra Beat, Sarenga Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
29.12.2016	1 No. Elephant (Male-Solitary-Tusker, 20-22 yrs.)	Asansuli, Rupnarayan Division	Elephant driven towards deep forest	Human death-1 No.	
30.12.2016	21 Nos. Wild Elephant	Sarulia, (Sarenga Beat, Sarenga Range), Bankura (South) Division	Engagement of Hulla Party & Miking	—	
12.01.2017	1 No. Elephant (Male, 15-17 yrs.)	Mouja-Kharikasuli, Dhadika Beat of Garbeta Range, Rupnarayan Division	Watch & ward for sufficient food and water, campaigning against electrocution, FIR done, intimation given to electric office for necessary precaution		One elephant itself dead due to electrocution
15.01.2017	1 No. Elephant (Male, 18-20 yrs.)	Mouja-Patharmari-286, Baramesia Beat of Hoomgarh Range, Rupnarayan Division	Watch & ward for sufficient food and water		One elephant itself dead due to infighting
16.01.2017	23 Nos. Wild Elephant	Bhalukchira (Sarenga Beat, Sarenga Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
17.01.2017	3 Nos. Wild Elephant (1no-M, 1no-F, 1no Juvenile)	Lurka, Gosda, Sarasbedia (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
19.01.2017	4 Nos. Wild Elephant (1no-M, 1no-F, 1no-Calf, 1no Juvenile)	Lepam, Kuchiapal (Bagdubi Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
21.01.2017 to 22.01.2017	2 Nos. Elephant & 1 No Loner Tusker	Different area of Durgapur, Panagarh & Guskara Range, Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
26.01.2017	A Tusker of a small residential herd of 8-10 elephants, (25-30 yrs.)	Hurhuria, Raskindu Beat under Amlagora Range, Rupnarayan Division	Elephant driven towards deep forest	Human death-1 No.	
04.02.2017 to 25.02.2017	1 No. Elephant	Different area of Durgapur, Panagarh & Guskara Range, Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
25.02.2017	22 Nos. Wild Elephant	Pilbari, Malibona, Khorji(PG-I & II Beat, PG Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
26.02.2017 to 05.03.2017	1 No. Makna & 1 No. Tusker	Different area of Durgapur, Panagarh & Guskara Range, Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
03.03.2017	1 No. Wild Elephant (35 Yrs, Male)	Lurka, Pusda, Gosda, Narayanpur (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
15.03.2017 to 31.03.2017	1 No. Elephant	Different areas of Panagarh & Guskara Range, Burdwan Division	Deployment of staff, Mobile Range staff, D.L. Local Hulla Party, FPC Member etc. Intensive campaigning through miking, leaflets etc. in the driving operation of wild elephant.		
19.03.2017	1 No. Wild Elephant (20 Yrs, Male)	Barogora, Tentuldanga, Sathkhulia (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	
30.03.2017	1 No. Wild Elephant (20 Yrs, Male)	Jamda, Kolmurali, Khutabandh (Fulkushma Beat, Fulkushma Range), Bankura (South) Division	Engagement of Hulla Party & Miking	Crop damage	

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
<b>Gaur</b>					
18.04.2016		Ghoksadanga, Coochbehar Division	Rescued by Tranquilization		Tranquilized by Jaldapara WL & BTR
28.04.2016	Gaur (3 Nos.	Ghoksadanga, Coochbehar Division	Rescued by Tranquilization		Tranquilized by Jaldapara WL & BTR
06.05.2016	Gaur, 02 Nos.	New Doors T.G. , Gorumara Wildlife Division	Daina Forest Drive		
24.05.2016	Gaur	Patkapara village.		Nil	Released at Chilapata forest under Jaldapara WL Divn.
31.05.2016	Gaur	Chapatali village.		Nil	Released at 25 <sup>th</sup> Mile under B.T.R. (West) Divn.
01.06.2016	Gaur	Chapatali village		Nil	Released at 25 <sup>th</sup> Mile under B.T.R. (West) Divn.
07.06.2016	Gaur, Male, Years approx	Changmari T.G. , Gorumara Wildlife Division	Tranquilized but died during operation	N.A.	-
20.08.2016	Gaur, Sex- Male, Age- 12 Years approx	Carron T.G. , Gorumara Wildlife Division			-
29.08.2016	Adult, Male	Birpara Tea Garden, Jalpaiguri Division	Tranquilized and released at Jaldapara NP	3 persons were injured	
13.11.2016	Gaur, 01 No.	Mogalkata T.G. , Gorumara Wildlife Division	Rathi Forest Drive		
18.11.2016	Gaur, 01 No.	Kalabari Village, Gorumara Wildlife Division	Totapara Forest Drive		
21.12.2016	Gaur, 02 Nos.	Banarhat T.G. , Gorumara Wildlife Division	Totapara Forest Drive		
25.12.2016	Gaur, 01 No.	Noon Khowa Village, Gorumara Wildlife Division	Moraghat Forest Drive		
30.01.2017	Gaur, Male, Adult.	Chatt Tondou, Gorumara Wildlife Division	--	--	--
12.02.2017	Gaur, Male, Adult	Khemoner hat of Ramshai GP. , Gorumara Wildlife Division	Tranquilized	Staff injury	
11.03.2017		Ghoksadanga, Coochbehar Division	Rescued by Tranquilization		Tranquilized by Jaldapara WL & BTR
31.03.2017		Ghoksadanga, Coochbehar Division	Rescued by Tranquilization		Tranquilized by Jaldapara WL & BTR

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
<b>Leopard</b>					
07.08.2016	Leopard	Rajabhat T.E.	Captured by cage	Nil	Released at 25 <sup>th</sup> mile.
08.08.2016	Leopard	Atiabari T.E.	Captured by cage.	Nil	Released at 25 <sup>th</sup> mile.
09.08.2016	Leopard	Kalchini T.G.	Captured by cage	Nil	Released at 25 <sup>th</sup> mile.
14.08.2016	Leopard	Atiabari T.E.	Captured by cage.	Nil	Released at 25 <sup>th</sup> mile.
17.08.2016	Leopard	Atiabari T.E.	Captured by cage.	Nil	Released at 25 <sup>th</sup> mile.
19.08.2016	Leopard	Atiabari T.E.	Captured by cage	Nil	Released at 25 <sup>th</sup> mile.
19.08.2016	Leopard	Kalchini T.G.	Captured by cage.	Nil	Released at 25 <sup>th</sup> mile.
26.08.2016	Leopard	Kalchini T.G.	Captured by cage.	Nil	Released at 25 <sup>th</sup> mile.
08.12.2016	Leopard	Rajabhat T.E.	Captured by cage	Nil	Released at 23 <sup>rd</sup> mile tower.
02.01.2017	Female, Adult	Raiganj Town, Raiganj Division	Tranquilized and rescue the leopard and released in Mahananda Wildlife Sanctuary	Household goods damaged by the leopard	

Date	Animal description	Location	Management action	Extent of damage (if any)	Remarks
<b>Tiger</b>					
14.04.2016	Tiger	Sardarpara adjoining forest Jharkhali-2 no. FPC	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Return to the Forest on 15.04.2016.
27.04.2016	Tiger	Jharkhali – 1 & 4 no. FPC	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Back into forest 30.04.2016 on its own.
24.08.2016	Tiger	Tridibnagar, Jharkhali -3 no. FPC	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Back into forest 25.08.2016 on its own.
19.10.2016	Tiger	Kishorimohonpur under Nalgora beat	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Back into river side village bushes 21.10.2016.
29.10.2016	Tiger	Kishorimohonpur under Nalgora beat	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Returned to the Forest on 30.10.2016 on its own.
22.11.2016	Tiger	Jharkhali – 3 no. FPC	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Returned back safely to Herobhanga - 4 Reserve Forest Compartment on 27.11.2016.
12.12.2016	Tiger	Maipith, Kishorimohonpur FPC	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Captured by cage on 13.12.2016 and kept it for medical treatment at Alipore Zoo.
16.12.2016	Tiger	Maipith, Nagenabad	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Back into forest 16.12.2016 on its own.
16.12.2016	Tiger	Maipith, Ambikanagar	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Back into forest 16.12.2016 on its own.
07.01.2017	Tiger	Bhubaneswari, Kultali beat	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	On 09.01.2017 the strayed tiger had returned back to Ajmalmari – I Reserve Forest Compartment.
18.01.2017	Tiger	Bhubaneswari, Kultali beat	NNF raised on the village side, regular patrolling by the staff and local people.	Nil	Back into forest 19.01.2016 on its own.



## 5.11 Mitigation of Conflict

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



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

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

The following actions are taken for wildlife conservation:

1. Creating Protected Areas such as 15 numbers of Wildlife Sanctuaries and 6 numbers of National Parks.
2. Delegation of Powers under Section 5 of the Wildlife (Protection) Act, 1972:-  
Powers have been assigned to all Territorial and Wildlife officers at different levels:  
Addl. PCCFs (Wildlife & Territorial) have been declared the Addl. Chief Wildlife Wardens, and Chief Conservator of Forests / Conservator of Forests -- Deputy Chief Wildlife Wardens,

Divisional Forest Officers -- Wildlife Wardens, Assistant Divisional Forest Officers -- Assistant Wildlife Wardens.

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



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

1. The State Board for Wildlife in its 9<sup>th</sup> 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.

4. Electrocution 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. Monthly Meeting to mitigate Human-Elephant Conflict :-

In order to review the present management practices of **human-elephant conflict in southern West Bengal**, a monthly meeting is convened by the PCCF, Wildlife and CWLW, WB involving CCFs of CC, WC, SWC and SEC at the Wildlife (Headquarters). The first such meeting was held on 10.03.2017. The specific agenda items on which the meeting discusses are :

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

### **5.13 Training cum Workshop**

A training cum workshop regarding Human-Wildlife Conflict (HWC) Mitigation in South West Bengal was held on 24.03.2017 at the State Forestry Training Institute, Hizli involving staff and Officers of all Divisions of South Bengal having elephant depredation problems namely Medinipur, Kharagpur, Rupnarayan, Jhargram, Panchet, Bankura (North), Bankura (South), Purulia, Kangsabati (North), Kangsabati (South), Burdwan, Durgapur and Birbhum Divisions.

During the workshop, the following issues were discussed:

1. Mitigation measures for tackling HWC.
2. All India Synchronized Elephant Estimation, 2017.
3. Training on Identification of Wild elephants.
4. Training on Chemical Immobilization.
5. Experience sharing with staff regarding HEC mitigation.
6. The road ahead in HECM.

Power Point Presentations were made by the DFOs on the following matters:

1. Status of HEC in 2015-16 v/s 2016-17
2. Innovations made and experience learnt during 2016-17
3. Suggestions for HECM during 2017-18



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

1. **Elephant Driving Squad Vehicle :** A vehicle named as “Airawat” has been introduced in the Districts of Bankura, Paschim Medinipur, Jalpaiguri and Alipurduar for immediate action in elephant depredation situations and minimizing the loss to the villagers at the maximum level as this vehicle is equipped all modern technology to counter the situation.



2. **Hunting of Rogue Elephants :** During this year two rogue elephants have been hunted as per the Orders of the PCCF, Wildlife & CWLW, WB in Bankura District on 05.07.2016 and on 30.07.2016.
3. **Capture of Wild Elephant :** Two elephants have been captured during this period - in Burdwan on 08.06.2016 and in Bankura on 04.07.2016.
4. **Confinement of Elephant Herd :** First time ever, one elephant herd of about 50 elephants was confined at Jharkhand-West Bengal Border (Mayurjharna) from 9<sup>th</sup> July to 5<sup>th</sup> August, 2016. Another herd of about 30 elephants was also resisted at Jharkhand-West Bengal Border on 22<sup>nd</sup> July, 2016 and finally it returned to the Dalma Hills in Jharkhand.
5. **EMCC (Elephant Movement Co-ordination Committee) :** An EMCC for South Bengal headed by a CCF was formed vide PCCF, HoFF's Order No. 19/Misc./CS/2016 Dated 04.04.2016 and it has been working very effectively, resulting in less damage and human deaths. It has regulated the functioning of the HULLAH parties also.
6. **Bulk SMS – Advance Warning System :** Bulk SMS System has been made operational in 60% areas in North Bengal since 23.05.2016 and that in South Bengal in 100% areas since 14.07.2016. this system alerts the people (the villagers, the public representatives, the Police) about the presence of Wild Elephant in the area.

7. **Issuance of Standard Operating Procedures(SOPs) :**
  - a. SOP on “ Emergency Arising Due to Straying of Wild Animals in Human Dominated Landscape in West Bengal” was issued vide PCCF, Wildlife & CWLW, WB's Order No. 2012/WL/2W-769/2016 dated 15.04.2016 and is now operational.
  - b. SOP on “ Dealing with Carcass of Major Animals in West Bengal” was issued vide PCCF, Wildlife & CWLW, WB's Order No. 2013/WL/2W-769/2016 dated 15.04.2016 and is now operational.
  - c. SOP on “Dealing with Human Casualty / Injury caused by Wild Animals in West Bengal” was issued vide PCCF, Wildlife & CWLW, WB's Order No. 5233(4)/WL/2W-769/2016 dated 16.11.2016 and is now operational.



8. **Daily Monitoring of Elephants:** All the elephant affected Divisions submit report in a prescribed format giving the detailed location of wild elephant (loner / herd / maljurian / residential / migratory) with approximate number in their jurisdiction, on daily basis. This report is very important in coping with possible depredation of wild elephant and preparation of the same in advance which includes alerting the local villagers about the movement of the elephant(s) nearby. This practice has been made operational since May,2016.

9. **Daily Monitoring of Human-Elephant Conflict :** All the elephant affected Divisions submit report in a prescribed format giving the details of death / injury of villagers / staff by wild animals/elephants with report of hut damage/crop damage etc. on daily basis. This practice has been operational since May,2016. The project is in the full process of implementation.

10. **Elephant Barriers :** A total of 108 kms of Elephant Proof Trench has been dug during 2016-17 and in this period only, 103 kms of Elephant Proof Electric Fencing has been erected to control elephant depredation in human populated areas.



11. **Watch Towers :** A total of 23 Watch Towers have been constructed in South Bengal in order to Mitigate the elephant depredation in villages.

12. **Kunki Elephants:** Three nos. Kunki Elephants have been posted at Panchet Division since June,2016 for their effective utilization during Elephant driving in South Bengal.

#### **5.15 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.
- 6) Implementation of UAV/Drone for generating the live imageries and videos from that movement of tiger as well as human being.

### **5.16 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.

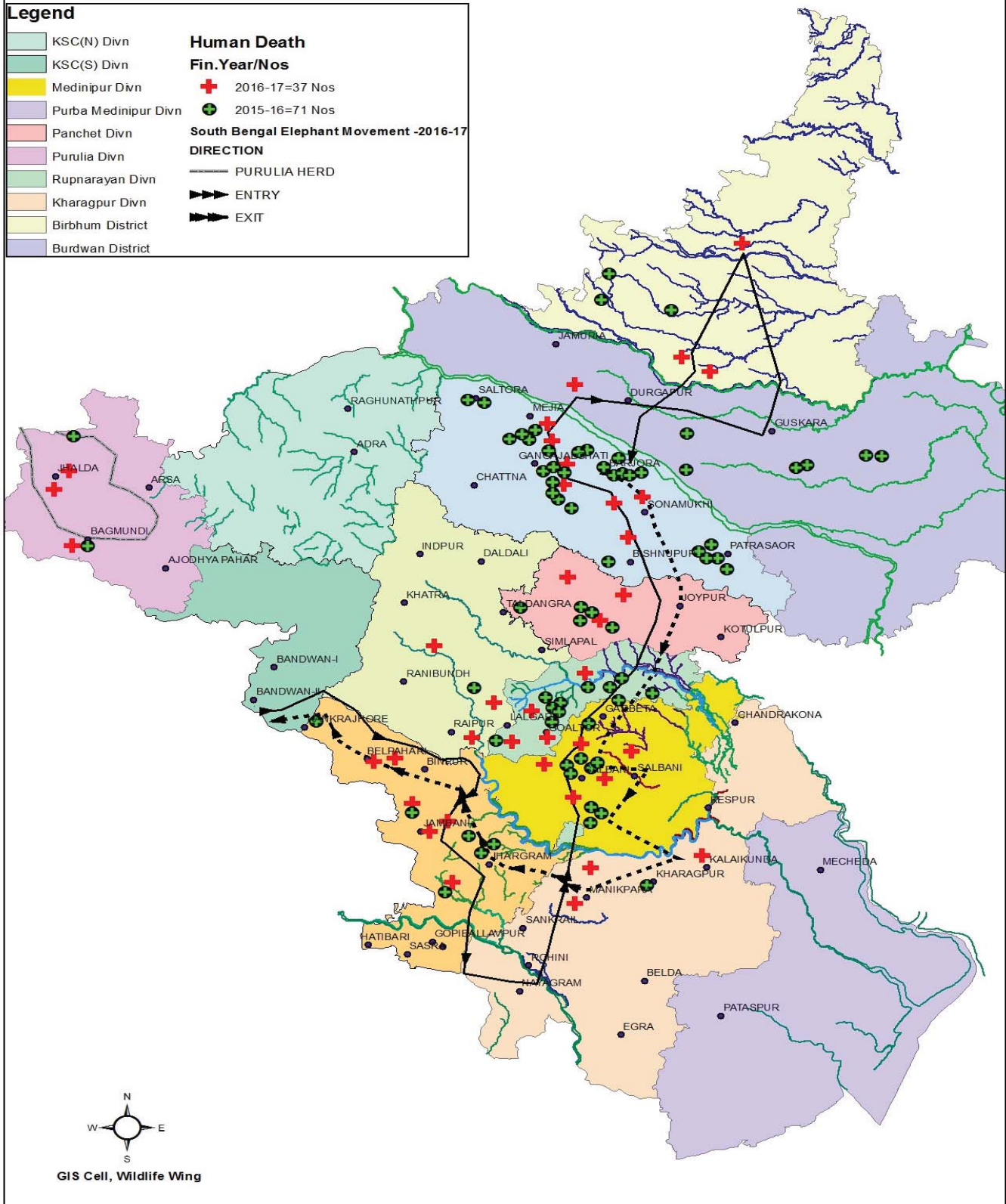
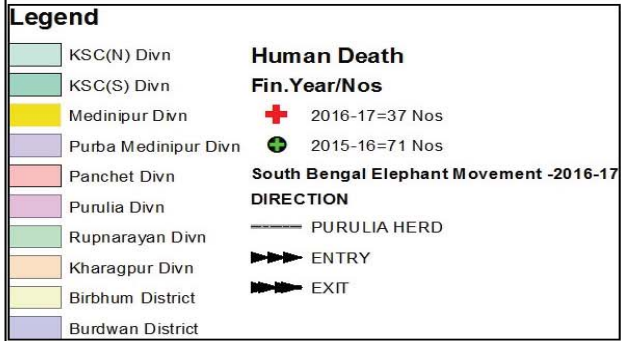
Radio-Collaring - Radio-collaring of 10 tigers was initiated. After radio-collaring electronic signals are emitted from the transmitter within the radio collar wearing by living tiger and that was captured by the satellite and transmitted to the main server and through that their movements are monitored.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





# HEC affected South Bengal Division/Districts



**Elephant Depredation : Damage of Hut & livestock killed in South West Bengal**









## Chapter-6

### Wildlife offence

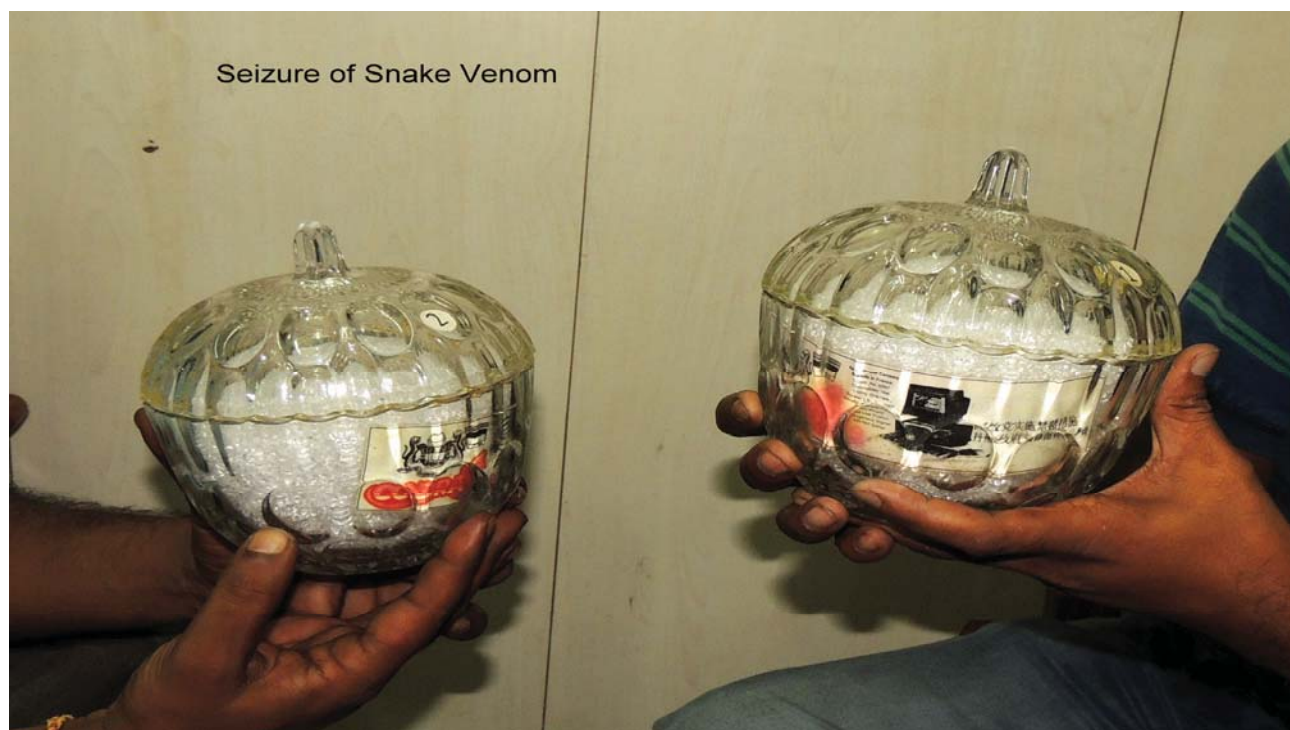




### **6.01 Seizure of Wildlife and Wildlife articles in West Bengal**

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 Wildlife & wildlife articles reported during the year 2016-17

Sl.No.	Seized items	Qty.
1	Tiger skin	1 No.
2	Elephant tusk	11 Nos.
3	Elephant bone	7 pc.
4	Rhino horn	4 Nos.
5	Rhinoceros urine	1 Bottle
6	Leopard skin	5 Nos.
7	Leopard (carcass)	1 No.
8	Himalayan Black Bear Gall Bladder	1 No.
9	Black Bear skull	1 No.
10	Gaur (Carcass)	1 No.
11	Indian Birds	3800 Nos.
12	Snake	31 Nos.
13	Snake venom	8 Jars
14	Gecko	93 Nos.
15	Fishing Cat (Carcass)	2 Nos.
16	Turtle / Tortoise	5959 Nos.
17	Spotted Deer (Carcass)	1 No.
18	Barking Deer meat	400 gm.
19	Barking Deer Horn	1 No.
20	Deer skin	1 No.
21	Spotted Deer memento with original horn	1 No.
22	Langur (Carcass)	1 No.
23	Monitor Lizard	4 Nos.
24	Mongoose	1 No.
25	Egret feather	14 bundles
26	Gaja Mukta	10 Nos.
27	Rhesus Monkey	2 Nos.
28	Shark	6 Nos.



**Scanning forest area on elephant-back**

### Wildlife offence under Wildlife (Protection) Act, 1972 during 2016-17

Division	POR	COR	UDOR	Person arrested
Darjeeling Wildlife Division	0	20	175	0
Gorumara Wildlife Division	8	109	38	15
Jaldapara Wildlife Division	20	55	78	36
Buxa Tiger Reserve (East)	16	0	0	25
Buxa Tiger Reserve (West)	7	0	0	13
Baikunthapur Division	19	0	0	15
Jalpaiguri Division	2	0	0	4
Coochbehar Division	1	0	0	1
Malda Division	3	0	0	8
Raiganj Division	2	0	0	4
Nadia-Murshidabad Division	3	0	0	3
Durgapur Division	3	0	1	4
Burdwan Division	2	0	0	9
Purba Medinipur Division	0	0	10	0
Kharagpur Division	3	50	0	4
Rupnarayan Division	1	0	0	2
Bankura (South) Division	1	0	0	3
Howrah Division	1	0	0	2
24-Parganas (North) Division	3	0	1	3
24-Parganas (South) Division	3	1364	59	7
Sundarban Tiger Reserve	0	2872	20	7
Wildlife (Headquarters)	21	0	81	37
<b>Total</b>	<b>119</b>	<b>4470</b>	<b>463</b>	<b>202</b>





**Seizure of Star Tortoises**





## Chapter-7

- Budget
- Conservation Schemes & Projects







## 7.01 Budget 2016-17 of Wildlife Wing:

Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
State Plan	Wildlife (HQ)	Construction of RCC Jetty, anti-poaching Barrack etc., POL & Hiring charges of Vehicle, M.Boat, etc.,	36886400.00	Construction of RCC Jetty, anti-poaching Barrack etc., POL & Hiring charges of Vehicle, M.Boat, etc.,	32989900.00
	Darjeeling WL	Sinking of Deep Tubewell, Excavation of Sweet Water Pond,	17180248.00	Sinking of Deep Tubewell, Excavation of Sweet Water Pond,	15743182.00
	Gorumara WL	Purchase of Solar Street Light, Publicity & awareness programme, Supply of feed & Vet. care for captive animal, Maint. of Fencing, etc.	21581500.00	Purchase of Solar Street Light, Publicity & awareness programme, Supply of feed & Vet. care for captive animal, Maint. of Fencing, etc.	21047113.00
	Jaldapara WL		43044708.00		42775393.00
	Buxa Tiger Reserve (East)		15423147.00		15209897.00
	Buxa Tiger Reserve (West)		20106815.00		18620763.00
	24-Parganas (South)		45096742.00		42998430.00
	24-Parganas (North)		9725405.00		7356884.00
	Sundarban Tiger Reserve		5452261.00		5012365.00
	<b>Total-SP</b>		<b>214497226.00</b>		<b>201753927.00</b>
* Centrally Sponsored Schemes	Wildlife (HQ)	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	6628000.00	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	6628000.00
	Darjeeling WL		16065200.00		16065200.00
	Gorumara WL		18428000.00		14396941.00
	Jaldapara WL		9273600.00		9266054.00
	Buxa Tiger Reserve (East)		21842380.00		21731125.00
	Buxa Tiger Reserve (West)		22395820.00		19344009.00
	24-Parganas (South)		21018000.00		15866509.00
	Sundarban Tiger Reserve		69279070.00		56352150.00
	Raiganj Division		760200.00		760112.00
	Panchet Division		168000.00		168000.00
	Medinipur Division		244000.00		244000.00
	Nadia-Murshidabad Division		576400.00		576400.00
	Bankura (North) Division		616000.00		615800.00
	Bankura (South) Division		300000.00		299920.00
	Burdwan Division		1760000.00		1760000.00
	Birbhum Division		915000.00		618128.00
	Durgapur Division		45600.00		45600.00
	<b>Total-CSS</b>		<b>190315270.00</b>		<b>164737948.00</b>

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



Scheme	Division	Target		Achievement	
		Physical	Financial	Physical	Financial
SFDA	Bankura (North) Division	Ex-gratia and elephant driving cost	4800000.00	Ex-gratia and elephant driving cost	4799900.00
	Jaldapara WL		2529007.00		2400018.00
	<b>Total-SFDA</b>		<b>7329007.00</b>		<b>7199918.00</b>
FDA	Jaldapara WL	Ex-gratia and elephant driving cost	5157446.00	Ex-gratia and elephant driving cost	1866671.61
	<b>Total-SFDA</b>		<b>5157446.00</b>		<b>1866671.61</b>
RKVY	Jaldapara WL	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	2330000.00	Soil & water conservation, Plantations, Organizing Training programme, Various eco-development activities in fringe villages, etc.	2330000.00
	Gorumara WL		651000.00		651000.00
	Darjeeling WL		174348.00		174348.00
	Panchet Division		1305000.00		1305000.00
	Jhargram Division		5912000.00		5857750.00
	Rupnarayan Division		5800000.00		5545650.00
	<b>Total-RKVY</b>		<b>16172348.00</b>		<b>15863748.00</b>
13th Finance Commission	Gorumara WL	Afforestation and regeneration, habitat improvement, infrastructure maintenance and development, reduction of man-animal conflict, etc.	2000000.00	Afforestation and regeneration, habitat improvement, infrastructure maintenance and development, reduction of man-animal conflict, etc.	1993077.00
	<b>Total-13thFC</b>		<b>2000000.00</b>		<b>1993077.00</b>
CAMPA	Jaldapara WL	Habitat improvement, etc.	93971.00	Habitat improvement, etc.	50848.00
	<b>Total-CAMPA</b>		<b>93971.00</b>		<b>50848.00</b>
RIDF	Sundarban Tiger Reserve	Watershed development, Plantation, Nursery, etc.	12242686.00	Watershed development, Plantation, Nursery, etc.	11780269.00
	24-Parganas (South)		16500000.00		4727823.00
	Jhargram Division		4340000.00		3988460.00
	<b>Total-RIDF</b>		<b>33082686.00</b>		<b>20496552.00</b>
Geetanjali	Sundarban Tiger Reserve	Housing for economically weaker section	12564200.00	Housing for economically weaker section	6571400.00
	<b>Total-Geetanjali</b>		<b>12564200.00</b>		<b>6571400.00</b>
IFM	Darjeeling WL	Plantation, Nursery, etc.	174000.00	Plantation, Nursery, etc.	174000.00
	Buxa Tiger Reserve (West)		755000.00		646672.00
	Panchet Division		172000.00		136616.00
	<b>Total-IFM</b>		<b>1101000.00</b>		<b>957288.00</b>
WBFBCP/ JICA	Rupnarayan Division	Elephant Drive	6749992.00	Elephant Drive	6749992.00
	<b>Total-JICA</b>		<b>6749992.00</b>		<b>6749992.00</b>

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

- 9. Rural Infrastructure Development Fund (RIDF):** Rural Infrastructure Development fund as loan from NABARD is being utilized for undertaking various developmental works for the development of Infrastructure especially for the communities residing in and around the forest.
- 10. Rashtriya Krishi Vikash Yojana (RKVY):** A new Additional Central Assistance scheme to incentivise States to draw up plans for their agriculture sector more comprehensively, taking agro-climatic conditions, natural resource issues and technology into account, and integrating livestock, poultry and fisheries more fully.
- 11. Intensification of Forest Management (IFM):** This is a new scheme for protection of forests, fire management and Infrastructure development in the State with 75% funding from Govt. of India and 25% contribution by the State Govt.
- 12. 13<sup>th</sup> 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.



**Payment of Ex-gratia**



## Chapter–8

### Wildlife Conservation Awards





### 8.01 Wildlife Conservation Awards, 2016:

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 2016-17 celebrated on 3rd January 2017 at Medinipur.

The Governor of West Bengal, vide No. 1853-For dated 15/07/2016, was pleased to issue a procedure / guideline for offering Wildlife Conservation Award to those who have a major impact on the protection and conservation of Wildlife in the State. The Govt. Notification is attached in next page.



The details of prizes, are : -

- 1) A Certificate of appreciation issued by Chief Wildlife Warden. West Bengal,
- 2) A Commemorative plaque,
- 3) Award of Rs. 25,000/- (Rupees Twenty Five Thousand) only, in cash.

The award recipients are also provided with admissible travel expenses to attend the award presentation ceremony.

The Awardees under different categories, are: -

- a. Reward for Protection and Rescue of Wildlife awarded to

Sri Sanjay Dutta FR,

Range Officer, Belacoba Range and Others

- b. Reward for Wildlife Conflict Management awarded to

Dr Basavaraj S Holeyachi, IFS, Divisional Forest Officer and Staff of Sukna Wildlife Squad

- c. Reward for Wildlife Conflict Management awarded to

Sri Subrata Pal Chowdhury, Technical Assistant, Wildlife Wing and his team

- d. Reward for Conservation Awareness awarded to

Sri Krishna Bahadur Chhetri

Sri Pusha Oraon

Sri Manbahadur Lama

Sri Filmen Oraon

Sri Biren Ekka

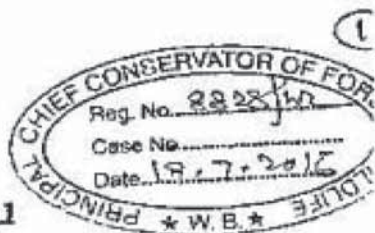
Members of the Titi Eco-Development Committee,

Nilpara Range, Jaldapara Wildlife Division



Sr: R.K. Chandra  
Pl. put up  
15.7.2016

R  
17/16



**Government of West Bengal  
Department of Forests  
Aranya Bhaban, Block-LA/10A,  
Sector-III, Salt Lake City, Kolkata-98**

No.1853-For

Date:15/07/2016

**NOTIFICATION**

Awarding of **Wildlife Conservation Award** to individuals, groups, NGOs, etc. who have shown exemplary courage and valour or have done exemplary work for the protection of wildlife was under active consideration in the Department of Forests, Govt. of West Bengal for some time past.

Now, after careful consideration of the matter the Governor is pleased to issue a procedure/guideline for offering **Wildlife Conservation Award** to those who have a major impact on the protection and conservation of Wildlife in the state.

**Wildlife Conservation Award -Nomination Process and Guidelines**

**Objective**

The Wildlife Conservation Awards will be given each year for making significant contribution in the field of wildlife conservation. The award sponsored by the Wildlife Wing of the Forest Department, Govt. of West Bengal is given for recognizing the excellence of individuals and groups highlighting the dedication and devotion of those, who support the cause of wildlife conservation, raising awareness about the biodiversity of the State, challenges it faces, and the innovative efforts to meet those challenges.

Contd..P/2

**Eligibility**

This award should be given to, who have displayed extraordinary courage, dedication and determination in the field of wildlife conservation. There is no age limit. The following categories of awards will be given by the Department of Forests, Govt. of West Bengal:

- a) **Award for Protection & Rescue of Wildlife:** - This award will be given to Forest Staff & Officers, NGOs, Community, Panchayat Samity, Forest Protection Committees, Eco-development Committees, Villagers, Individuals and Others for outstanding field work for protection of wildlife, especially the endangered species including control and prevention of poaching of wild animals and illegal trade of wildlife and their products as well as to rescue and rehabilitation of endangered wild animals like Tigers, Leopards, Bears, Elephants, Dolphins, Tortoises, Birds etc.
  
- b) **Wildlife Conflict Management Award:** - This award will be given to Forest Staff & Officers, NGOs, Community, Panchayat Samity, Forest Protection Committees, Eco- development Committees, Villagers, Individuals and Others for outstanding field work for reduction of man-animal conflict and for providing assistance to the Forest Department in wildlife conflict management as well as implementation of innovative ideas regarding protection of human lives and properties from wildlife, without harming the wild animals. It would also include implementation of Joint Forest Management in an around protected areas through Eco-development works in order to reduce dependency of local fringe population on the forest resources and active participation of villagers for protection of Wildlife and its habitat.

Contd..P/4



**Eligibility**

This award should be given to, who have displayed extraordinary courage, dedication and determination in the field of wildlife conservation. There is no age limit. The following categories of awards will be given by the Department of Forests, Govt. of West Bengal:

- a) **Award for Protection & Rescue of Wildlife:** - This award will be given to Forest Staff & Officers, NGOs, Community, Panchayat Samity, Forest Protection Committees, Eco-development Committees, Villagers, Individuals and Others for outstanding field work for protection of wildlife, especially the endangered species including control and prevention of poaching of wild animals and illegal trade of wildlife and their products as well as to rescue and rehabilitation of endangered wild animals like Tigers, Leopards, Bears, Elephants, Dolphins, Tortoises, Birds etc.
  
- b) **Wildlife Conflict Management Award:** - This award will be given to Forest Staff & Officers, NGOs, Community, Panchayat Samity, Forest Protection Committees, Eco- development Committees, Villagers, Individuals and Others for outstanding field work for reduction of man-animal conflict and for providing assistance to the Forest Department in wildlife conflict management as well as implementation of innovative ideas regarding protection of human lives and properties from wildlife, without harming the wild animals. It would also include implementation of Joint Forest Management in an around protected areas through Eco-development works in order to reduce dependency of local fringe population on the forest resources and active participation of villagers for protection of Wildlife and its habitat.

Contd..P/4



- c) **Conservation Awareness Award :** - This award will be given to Forest Staff, NGOs, Teachers, Community, Panchayat Samity, Forest Protection Committees, Eco- development Committees, Villagers, Individuals and Others for outstanding work in the field of wildlife awareness generation and for motivation of common people towards wildlife conservation through regular campaigns using innovative medium for conservation education and extension publicity works.

**Procedure for submission of nomination**

The nominations should be submitted by the Divisional Forest Officer, through the Circle-in-charge (Chief Conservator of Forests / Conservator of Forests) with details of the significant contributions made by the nominee along with proper recommendation of CF / CCF. The nomination letter should be addressed to the Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, West Bengal. Based on the approval / recommendation of the PCCF, WL & CWLW, WB, the Forest Department would sanction the awards to the individual.

**Selection**

**Committee for scrutiny of nominations:**

A Committee will scrutinize the application of nominations received from various quarters. The Committee will examine each case and will take decision depending on the merit of the case and nature of the contribution made by the nominee in conservation of wildlife. Decision of the Committee will be final.

**Contd..P/5**

**The Composition of the Committee:**

- |    |   |    |                           |
|----|---|----|---------------------------|
| 1  | The Principal Chief Conservator of Forests, Wildlife & CWLW, WB   | :: | Chairman of the Committee |
| 2  | Representative of the Forest Department, Govt. of West Bengal   | :: | Member                    |
| 3  | The Addl. Director General/ The Inspector General of Police (Forest)  | :: | Member                    |
| 4  | The Addl. Principal Chief Conservator of Forests & Director, Sundarban Biosphere Reserve, WB.   | :: | Member,                   |
| 5  | The Addl. Principal Chief Conservator of Forests, North Bengal  | :: | Member                    |
| 6  | The Addl. Principal Chief Conservator of Forests, Wildlife, WB.   | :: | Member                    |
| 7  | The Deputy Director, WLCCB, Eastern Zone, Nizam Palace, Kolkata   | :: | Member                    |
| 8  | 2 (two) nos. NGOs (attached with the activities of Forestry and Wildlife) to be nominated by the Forest Deptt., Govt. of West Bengal. | :: | Members                   |
| 9  | One member from State Board for Wildlife (to be nominated by the Forest Deptt., Govt. of West Bengal)                                 | :: | Member                    |
| 10 | The Conservator of Forests, Wildlife (HQ.)  | :: | Member Convener           |

**Awards and Presentation:**

Award recipients will receive a commemorative plaque, a certificate of appreciation and award of Rs. 25000/- (Rupees twenty five thousand) only in cash. The award recipients will be provided admissible travel expenses to attend the award presentation ceremony.

By order of the Governor,

Sd/-

Principal Secretary to the Govt. of West Bengal,  
Department of Forests

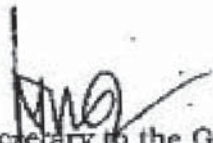
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No.1853/1(S)-For/FR/O/11M-111/12

Date:15/07/2016

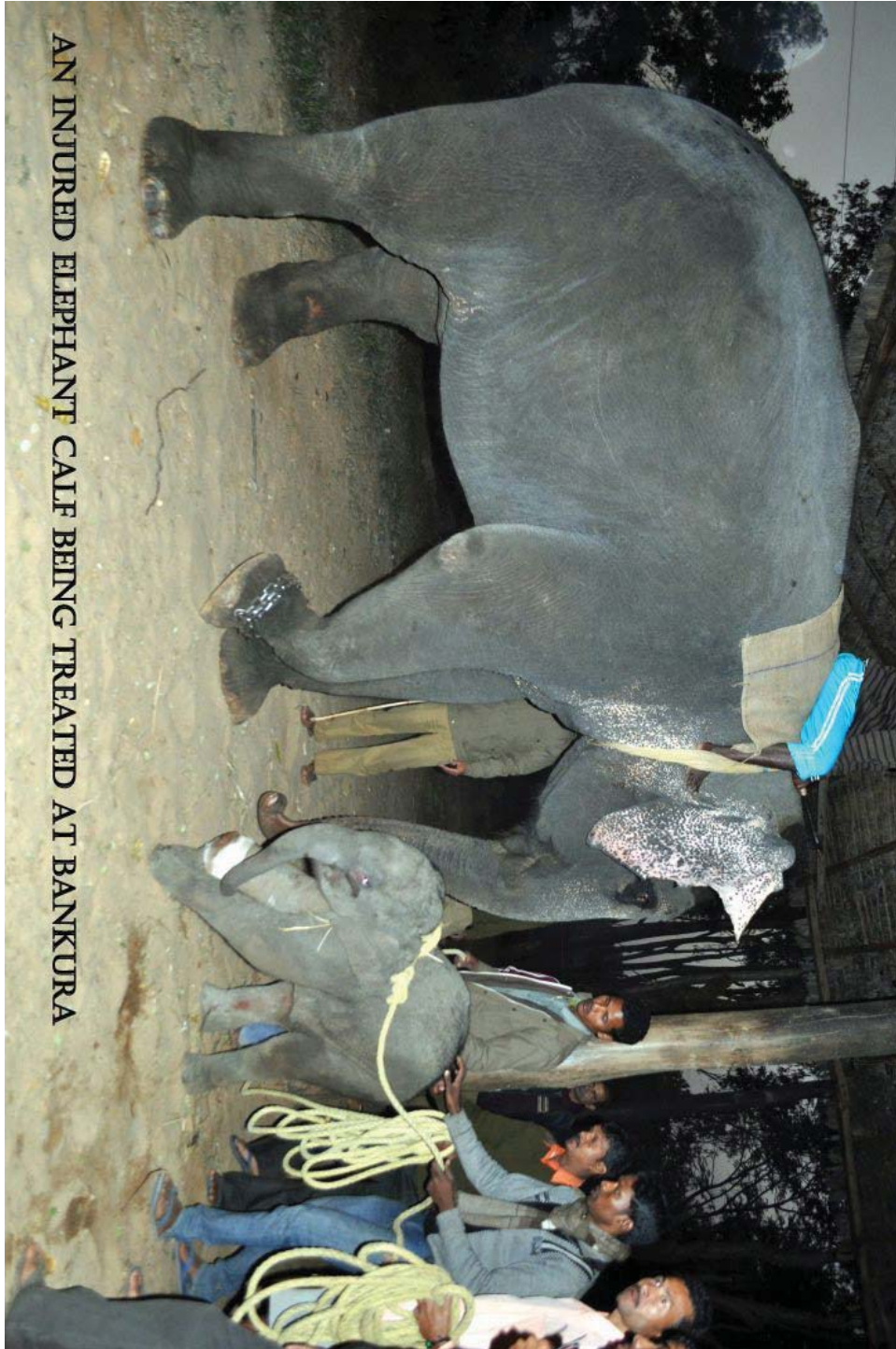
Copy forwarded for information and necessary action to:-

1. The Principal Accountant General (A&E), Treasury Building, Kolkata-1
2. The Principal Accountant General (Audit), Treasury Building, Kolkata-1
3. The Principal Chief Conservator of Forests & HoFF, West Bengal.
- ✓ 4. The Principal Chief Conservator of Forests, Wildlife & CWLW, WB
5. The P.S to Minister-in-Charge, Department of Forests. Govt. of WB.

  
O.S.D & E.O Jt. Secretary to the Govt. of West Bengal,  
Department of Forests







## Chapter—9

### Eco-tourism









## 9.01 Eco-tourism

### List of Forest Rest Houses under Wildlife Wing

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



## Tourist visits during 2016-17:

Name of Eco-tourism site (PA / Zoo / Eco-Park / NIC, etc.)	Indian	Foreigner	Revenue earned (in Rs.)
Singhalila National Park	8334	1482	1691725.00
Mahananda Wildlife Sanctuary	1545	7	77600.00
Senchal Wildlife Sanctuary	1057	26	52594.00
Nature Interpretation Centre, Sukna	4294	8	37235.00
Eco-tourism, Senchal Wildlife Sanctuary	609	0	1018540.00
Buxa Tiger Reserve (West) Division	83922	73	6654500.00
Buxa Tiger Reserve (East) Division	8498	72	251700.00
Jalpaiguri Division	45527		1649010.00
Jaldapara National Park	77141 +497(Students)	467	10902323.00
SKB Eco-Park	64480 +7470(Students)		2139566.00
Kunjanagar	42989 +427(Students)		1083565.00
Adina Deer Park	75820		807300.00
Kulik Bird Sanctuary	19481		
Bardhaman Zoological Park, Burdwan	121535		891739.00
Lower Noera Range, Neora Valley National Park	449		21260.00
Lower Noera Range, Neora Valley National Park	1658	26	256240.00
Jatraprasad, Chapramari, Chukchuki, Medla, Chandrachur (Day visit)	60091	64	1769607.00
Dhupjhora, Kalipur, Rhino Camp, Panjhora (Eco-cottages)	7647	15	1009470.00
NIC, Birbhum & Deer Park	64966	339	940188.00
Bethuadahari WLS	77834		782499.00
Jhalda, Matha & Ajodhya	415		126400.00
Sundarban Tiger Reserve	199955	3487	20626940.00
Sundarban Wild Animal Park, Jharkhali, 24Pgns(S)	129000		3876000.00
Kalash, Ramganga	4668		429420.00
Bonnie Camp, Raidighi	27104	4	2815295.00
Chintamoni Kar Bird Sanctuary, Baruipur	9984		488680.00
Crocodile Project, Bhagabatpur	47463		474630.00
Bakkhali	71051		695440.00
Bibhutibhushan Wildlife Sanctuary	20563		1183740.00
<b>Total</b>	<b>1286474</b>	<b>6070</b>	<b>62753206.00</b>



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

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

RATES OF ENTRY FEES, ACCOMMODATION CHARGES ETC. IN ALL PROTECTED AREAS, NATURE PARK AND ECO-TOURISM SPOTS EFFECTIVE FROM 01/10/2013 IN WEST BENGAL				
Sl. No.	Location	Item	Rate (Normal)	Rate (Online)
<b>1. Entry Fee (Age &gt; 5 yrs.) (Children of Age less than 5 yrs FREE) * Same rates are applicable for foreigners</b>				
		(a) Adults	60.00	100.00
	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	300.00
<b>2. Entry Fees for Vehicles (only petrol driven vehicles will be allowed)</b>				
	For All Centres	Light Vehicle/Medium	250.00	-
<b>3. Car Parking (for Picnic spots only)</b>				
		(a) Two Wheeler	10.00	
	For All Centres	(b) Light Vehicle/Medium	50.00	
		(c) Heavy Vehicle	250.00	
<b>4. Picnic Spot Charge</b>				
	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	
<b>5. Boating Charge (if provided)</b>				
	For All Centres	Boating (20 Minutes/Per head)	50.00	
<b>6. Elephant Ride / Bullock Cart Ride</b>				
		Bullock cart ride - per cart per person	100.00	
	For All Protected Areas	Elephant Ride Per Head	600.00	800.00
		For foreigner	1000.00	1500.00
<b>7. Water Craft</b>				
		Luxury Watercraft (Any craft with AC facilities) (per trip) (for more than 30 persons)	5000.00	
	For Sundarban Biosphere Reserve	Launch (per trip)	600.00	
		Bhatbhati / Motor boat	350.00	
<b>8. BLC</b>				
		Launch (For BLC Registration)	1000.00	
	For Sundarban Biosphere Reserve	Motor Boat (For BLC Registration)	450.00	

Sl. No.	Location	Item	Rate (Normal)	Rate (Online)
<b>9. Guide Charges</b>				
	For North Bengal		200.00	350.00 for certified guide
	For Sundarban Biosphere Reserve & South Bengal		350.00	500.00 for certified guide
	Entry fee for vehicle and person shall be charged separately for dedicated guides retention annual charges		15000.00	
	Elephant Camp visit per person	For Indian	50.00	
		For foreigner	200.00	
	Sufury ride	Per person	100.00	
<b>10. Fees for Shooting</b>				
		(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	
	For All Protected Areas			





## Chapter–10

### Training and Awareness Programme





### 10.01 Training and Awareness programmes on Wildlife

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

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



Awareness programme at 10<sup>th</sup> Mile



Awareness programme at Purulia



Tranquilizing Training Programme at Gorumara



The details of awareness generation as well as training programme on wildlife in West Bengal during 2016-17, are as follows:

Sl.	Date	Location	Topic	Organized by	No. of participants
1.	12.04.2016	Jaldapara Range Complex	Training of Mahut & Patawala	Range Officer, Jaldapara (East) Range, Jaldapara WL Division	25 Nos.
2.	26.04.2016	Panchet Division	Training on immobilization of wild animals	Wildlife (Headquarters)	40 Nos.
3.	28.05.2016	NIC, Sukna	Account System	Darjeeling Wildlife Division	34 Nos.
4.	03.06.2016	Bichabhanga	Observation of world environment day	Gorumara South Range	60 Nos.
5.	04.06.2016	NIC, Sukna	Identification of Birds and trees.	Darjeeling Wildlife Division	31 Nos.
6.	06.06.2016	Jharkhali Samabaya More to SDB Jetty Ghat	Swachh Bharat Mission	Matla Range, 24-Parganas (South) Division	50 Nos.
7.	06.06.2016	E T Range	Swachh Bharat Mission	Sundarban Tiger Reserve	All staff
8.	14.06.2016	E T Range	On Eco-tourism and related matters	Sundarban Tiger Reserve	All staff
9.	04.07.2016	NIC, Sukna	Protection meeting	Darjeeling Wildlife Division	15 Nos.
10.	05.07.2016	NIC, Sukna	Awareness program	Darjeeling Wildlife Division	14 Nos.
11.	05.07.2016	SWLS Range	Tranquilizing Training Programme	Wildlife (Headquarters)	All staff
12.	15.07.2016	NIC	Aranya saptaha	Gorumara Wildlife Division	67 Nos.
13.	16.07.2016	NIC	Aranya saptaha	Gorumara Wildlife Division	28 Nos.
14.	17.07.2016	NP(W) Range	Ban Mahatsab	Sundarban Tiger Reserve	All staff
15.	18.07.2016	NIC	Protection Monitoring	Gorumara Wildlife Division	10 Nos.
16.	21.07.2016	NIC	DR/Fr Training	Gorumara Wildlife Division	39 Nos.
17.	21.07.2016	Needim Div. of Sylee T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	12 Nos.
18.	22.07.2016	Bhuttabari Div. of Meenglass T.E.	Man Animal Conflict	Wildlife Squad-II, Mal.	10 Nos.
19.	28.07.2016	NIC, Sukna	Tranquilization technique	Wildlife (Headquarters)	24 Nos.
20.	12.08.2016	Basbari Basti of Kumlai GP	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	16 Nos.
21.	18.08.2016	Sonamukhi	Tranquilization, Elephant Identification, Man-Elephant Conflict, etc.	Wildlife (Headquarters)	ROs, BOs and selected staff
22.	21.08.2016	Beliatore	Tranquilization, Elephant Identification, Man-Elephant Conflict, etc.	Wildlife (Headquarters)	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
23.	24.08.2016	Barjora	Tranquilization, Elephant Identification, Man-Elephant Conflict, etc.	Wildlife (Headquarters)	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
24.	31.08.2016	Gangajalghati	Tranquilization, Elephant Identification, Man-Elephant Conflict, etc.	Wildlife (Headquarters)	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
25.	05.09.2016	New Station Line of Ranichera TE.	Man Animal Conflict	Wildlife Squad-II, Mal Gorumara Wildlife Division	15 Nos.

Sl.	Date	Location	Topic	Organized by	No. of participants
26.	07.09.2016	Mandir Para of Mal Nady T.E.	Man Animal Conflict	Wildlife Squad-II, Mal Gorumara Wildlife Division	10 Nos.
27.	10.09.2016	Mejhia	Tranquilization, Elephant Identification, Man-Elephant Conflict, etc.	Wildlife (Headquarters)	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
28.	12.09.2016	NIC	Gypsy Owner	Gorumara Wildlife Division	30 Nos.
29.	12.09.2016	NIC	Guide	Gorumara Wildlife Division	37 Nos.
30.	14.09.2016	Radhanagar	Protection of wildlife, prevent death of elephant by electrocution	Bankura (North) Division	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
31.	22.09.2016	4 Nos. Line of Elenbari T.E.	Man Animal Conflict	Wildlife Squad-II, Mal Gorumara Wildlife Division	18 Nos.
32.	23.09.2016	Namji Line Leesh River T.E.	Man Animal Conflict	Wildlife Squad-II, Mal Gorumara Wildlife Division	10 Nos.
33.	23.09.2016	NIC	Gypsy & Guide	Gorumara Wildlife Division	78 Nos.
34.	28.09.2016	Hope Div. of Leesh River T.E.	Man Animal Conflict	Wildlife Squad-II, Mal Gorumara Wildlife Division	08 Nos.
35.	29.09.2016	E T Range	World Tiger Day	Sundarban Tiger Reserve	All staff
36.	25.10.2016 to 27.10.2016	NP(W) Range	Veterinary Camp Programme	Sundarban Tiger Reserve	All staff
37.	10.11.2016	E T Range	Camera Trapping Programme	Sundarban Tiger Reserve	All staff
38.	15.11.2016 to 16.11.2016	NP(W) Range, SWLS Range, BHT Range	JFMC Football Tournament Programme	Sundarban Tiger Reserve	All staff
39.	02.12.2016	Sonamukhi	Protection of wildlife, prevent death of elephant by electrocution	Bankura (North) Division	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
40.	11.12.2016	NIC, Sukna	Training on SOP	Darjeeling Wildlife Division	62 Nos.
41.	21.12.2016	Beliatore	Protection of wildlife, prevent death of elephant by electrocution	Bankura (North) Division	ROs, BOs, selected staff, FPC members, Public representatives, Police administration etc.
42.	22.12.2016	Community Hall at Compound Forest Busty	Skill Development Training on Plumbing	Lower Neora Range Gorumara Wildlife Division	20 Nos.
43.	23.12.2016	NIC, Sukna	Tranquilization technique	Wildlife (Headquarters)	22 Nos.
44.	03.01.2017	NIC	Awareness about Snake	Astha Communication & Birbhum Division	150 Nos.
45.	04.01.2017	All territorial ranges of Jalpaiguri Division	Celebration of Wildlife Day	All Range offices of Jalpaiguri Division	300 Nos.
46.	05.01.2017	Tehatta Range	Awareness about wildlife conservation	Nadia-Murshidabad Division	40 Nos. (Students, Panchayat representatives)
47.	05.01.2017	Barjora	Awareness programme on wildlife in school	Bankura (North) Division	School students
48.	05.01.2017	Bethuadahari WLS	Awareness about wildlife conservation	Nadia-Murshidabad Division	80 Nos. (Students, JFMC Members, Panchayat representatives)



Sl.	Date	Location	Topic	Organized by	No. of participants
49.	05.01.2017	Dhupjhora	Awareness meeting	Gorumara South Range, Gorumara Wildlife Division	100 Nos.
50.	07.01.2017	Sonamukhi & Beliatore	Awareness programme on wildlife in school	Bankura (North) Division	School students
51.	07.01.2017	Sankarpur, Ranaghat Range	Awareness about wildlife conservation	Nadia-Murshidabad Division	50 Nos. (Students, JFMC Members, Panchayat representatives)
52.	09.01.2017	Gopogram, Berhampore (N) Range	Awareness about wildlife conservation	Nadia-Murshidabad Division	60 Nos. (Students, JFMC Members, Panchayat representatives)
53.	13.01.2017	Panijia Primary School, Ranibandh, Bankura (South) Division	Sit & Draw Competition to generate awareness	Bankura (South) Division	63 Nos.
54.	16.01.2017	Krishnapur Primary School, Ranibandh, Bankura (South) Division	Sit & Draw Competition to generate awareness	Bankura (South) Division	75 Nos.
55.	22.01.2017	Range complex	Awareness meeting	Gorumara South Range, Gorumara Wildlife Division	80 Nos.
56.	23.01.2017	Dhupjhora	Awareness meeting	Gorumara South Range, Gorumara Wildlife Division	150 Nos.
57.	26.01.2017	Bethuadahari WLS	Awareness about plastic free environment & wildlife conservation	Nadia-Murshidabad Division	100 Nos. (Students, Staff & JFMC Members, Local Panchayats, BDO & OC Nakashipara)
58.	09.02.2017	Dhupjhora	Nature study camp	Himalayan Nature & Environment Foundation	200 Nos.
59.	15.02.2017 to 19.02.2017	Padmaja Naidu Himalayan Zoological Park, Darjeeling	Zoo keepers Training Programme	West Bengal Zoo Authority	3 Nos.
60.	04.03.2017	Senchal East Range Compound	Awareness program	Darjeeling Wildlife Division	43 Nos.
61.	05.03.2017	Bethuadahari WLS	Awareness on Snake	Nadia-Murshidabad Division	20 Nos. (Students, Staff & JFMC Members, Panchayat representatives)
62.	06.03.2017	Shulkapara	Elephant Census Training	Gorumara Wildlife Division	60 Nos.
63.	06.03.2017	Bethuadahari WLS	Awareness about wildlife conservation	Nadia-Murshidabad Division	70 Nos. (Students, JFMC Members, Panchayat representatives)
64.	11.03.2017	Rampur Forest Village.	-do-	Darjeeling Wildlife Division	41 Nos.
65.	15.03.2017	3 <sup>rd</sup> Mile, Simkuna	-do-	Darjeeling Wildlife Division	103 Nos.
66.	20.03.2017	NIC, Sukna	Training on GPS	Darjeeling Wildlife Division	28 Nos.
67.	March, 2017	Under Sukna Range, MWLS.	Motor Driving, Beautician, Computer Training.	Darjeeling Wildlife Division	62 Nos.

#### Wildlife Crime Control Bureau Meetings:

Sl. No.	Date	Meeting Subject	Place
1	23.05.2016	Sensitisation Programme for Customs, CISF, Passenger Baggage & Cargo Handling Personnel in the Airport, Kolkata	Kolkata
2	25.10.2016 & 26.10.2016	Sensitization Programme for Panchayati Raj Institution representatives of villages in Eastern Doars Elephant Reserve	Siliguri and Madarihat
3	07.03.2017	Inter Agency Co-ordination Meeting, North Bengal, Siliguri	Siliguri



## Chapter–11

### Highlights of Important Events





## **Important Events of 2016-17**

### **11.01 Introduction of Special Squad Vehicle 'Airawat'**

Human-Wildlife conflict, particularly Human-Elephant conflict is the problem affecting the relationship between Forest Department and the village people. To protect the lives and properties as well as the agricultural crops of the forest fringe dwellers from the strayed out wild animals, is the most difficult challenge faced by the forest staff at present.

In order to make the ground level staff more equipped with the situation and to increase their mobility, the concept of getting high quality vehicle with four wheel drive to move into difficult terrain and to make available maximum possible equipments, including tranquilising guns, medicines, capture nets, flood lights, generator for providing energy source in the dark forest, communication equipments like fixed station vehicle-mount wireless sets and walkie-talkies as well as tool box and medicine box for both the wild animals and the staff, has been conceived.

These four vehicles have been procured, fitted and distributed among mostly elephant depredated Districts of Paschim Medinipur and Bankura and have been named "Airawat".

The field staff have also been given training in use of the specialised equipments. The vehicles were flagged off by Sri Binoy Krishna Burman, Hon'ble Minister-In-Charge, Forests, West Bengal on 03rd October, 2016 at Arannya Bhavan, Salt Lake, Kolkata – 700091. The vehicles have been very much helpful to the staff in tackling the emergency wildlife conflict situation and have considerably reduced the reaction time in addressing the situation.

### **Important Features of this Vehicle**

1. TATA SFC 407 – Troop Carrier with 4 Wheel Drive facility
2. Modified Sitting arrangements with box cabinet under Seat
3. Fitted with Modern Equipments and Accessories:
  - a. Dist-Inject Tranquilising Gun(Model 60N) and accessories with Carry Box with Tranquilising medicines
  - b. High Beam Search Lights – handheld with shoulder strap
  - c. LED White Beam (PETZL) Headlight Gear with Belt and carry pouch
  - d. Elephant lifting Cargo Sling – 5 Mts length x 5 Ton Capacity  
High Power LED Flood Light – 150 watts with 360° rotating Handle and Height adjustment fittings – 1 set mounted on carrier front – this is extremely useful for illuminating dark forest patch and village side for finding or scaring wild animals and help in conflict management
  - e. High Power LED Flood Light – 100 Watts– 3 sets – this is useful for high illumination of surroundings or road side at night.
  - f. Long Box Type vehicle-mounted LED Flasher (Blue and Red Lights) with Hooter and Megaphone attachment facility – 1 set mounted on front cabin top – this is to alert public about presence of wild animals in the villages or scare away wild animals.
  - g. Additional Hooter Siren – to be used for free movement of the vehicle without any obstruction on the road.
  - h. Additional Fog Light - 2 sets.



- i. Canopy lights in both Cabins – 2 sets.
- j. Portable Generator Sets (Honda) – 1.8 KVA – this is the portable source of Electricity for vehicle-mounted lights and other electrical equipments required to be operated in the field.
- k. Generator Dismounting Iron Rail Guides – 2 nos. – this is used for dismounting the generator for using outside the vehicle when required.
- l. Vehicle-mount portable VHF Radio Transmitter Set – 1 set fitted inside front cabin and with whip antenna – this is very useful for making immediate communication with Divisional base Station as well as with staff in field carrying Porto-phone / Walkie-Talkie
- m. Elephant Anchoring MS Iron Chains 12mm diameter – 10 Metres (2 nos) – used for tying captured elephant after it is immobilised.
- n. Elephant tying MS Iron Chains 10 mm diameter – 5 Metres (4 nos) – used for tying all four legs of captured elephant with the vehicle on board for long distance transportation.
- o. Elephant Leg Shackle (Beri) - MS Iron Chain (2 sets) – these are very useful in restricting movement of captured wild elephant for tying both front legs / hind legs together, otherwise, elephant can kick side wise and injure others.
- p. Poly Propylene Barrier Net (Protection) – 3 mt x 10 mts (2 nos) – used for creating a net barrier at any spot which can restrict entry or exit of wild animals or public. This is also used to cover small vehicle to approach a Leopard, Bear like animals strayed into human habitation.
- q. Specially made heavy duty elephant carry net made of pure nylon more than 5 Ton capacity – 1 no. - useful for lifting or carrying captured/sick elephant even in lateral position with the help of a crane.
- r. VHF Radio Transmitter Porto-Phone / Walkie-Talkie with Charger – 4 sets with charger
- s. Poly Propylene Ropes 12mm, 14 mm and 20 mm diameter – 1 Coil each x 220 mtrs;
- t. First Aid Kit with medicines in durable fibre carry box – 1 set
- u. Tool kit with tools in durable fibre carry box – 1 set
- v. Reflector Safety Jackets – 10 nos. – is used by the Squad staff while on field duty for easy identification of departmental staff in a large crowd.
- w. Portable Knapsack Sprayer – 16 lts capacity with long flexible pipe and nozzle – 1 set – used to spray water to cool down body temperature of captured animals to control hyperthermia associated with chemical immobilization.
- x. Portable handheld megaphone (shoulder sling type) – 1 set – used for making announcement to alert from distance and also to create awareness among public.



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– used for

Inside Set-Up of Airawat



## 11.02 Rapid Response Force (RRF)

### Definition

A team of staff, who are young, specially trained and properly equipped to handle exigencies arising out of straying of wild animals in the urban / semi-urban localities - a team which responds quickly

within a minimum time frame and reaches the spot to effectively respond the situation and address the crisis, which may involve capture and translocation of the animal. This is the Rapid Response Force (RRF), which operating in the field, can control the situation within a very short span of time and thereby minimizes the loss of life and property.

### Objective

The objective of RRF is to have a well trained, well equipped, dedicated team of personnel in readiness 24 x 7, to deal with the crisis arising out of strayed wild Elephants and other wild animals like Tiger, Leopard, Gaur, Rhinoceros etc. into thickly populated urban and semi-urban areas and also to control the situation due to migration of the strayed animals into non-traditional areas like Central Bengal.

### Expected Outcome of RRF

- (1) Reduction in response time due to straying of Wild Animal into thickly populated areas;
- (2) Minimizing damage / loss to / of life and property;
- (3) Reduction in payment of Ex-Gratia due to damage / loss to / of life and property;
- (4) Effective integration of technological advances and evacuation of the distressed animal in minimum time and damage / injury;
- (5) Effective working as homogeneous strong team to mitigate the crisis;
- (6) Establish links / liaising with Police and other law enforcing agencies to mitigate the crisis.

### Location, Jurisdiction and Controlling Authority of the RRFs

Sl. No.	Location	District	Jurisdiction	Controlling Authority
1.	Nilpara	Alipurduar	East of River Diana, District Alipurduar, Coochbehar and Jalpaiguri (part)	Conservator of Forests, Wildlife (North) Circle
2.	Sukna	Darjeeling	West of River Diana and up to Farakka, District Darjeeling, Uttar Dinajpur, Dakhin Dinajpur, Malda and Jalpaiguri (part)	Conservator of Forests, Wildlife (North) Circle
3.	Bishnupur	Bankura	Districts Bankura, Purulia, Burdwan and Birbhum	Chief Conservator of Forests, Central
4.	Kharagpur	Paschim Medinipur	Districts Purba Medinipur and Paschim Medinipur	Chief Conservator of Forests, Western
5.	Kolkata (HQ)	Kolkata	Districts 24 Parganas (North), 24 Parganas (South), Nadia, Hooghly and Murshidabad	Conservator of Forests, Wildlife (Headquarters)

### Composition of Officer / Staff in each RRF

Sl. No.	Designation	Strength	Remarks
1.	Forest Ranger	1	Unit –in-Charge / Permanent Establishment
2.	Deputy Ranger / Forester	1	Permanent Establishment
3.	Forest Guard	2	Permanent Establishment
4.	Veterinary Doctor	1	On Contractual Basis / On Deputation
5.	Veterinary Assistants	1	On Contractual Basis / On Deputation
6.	Office Staff (L.D.C.)	1	On Contractual Basis / On Deputation
7.	Drivers	2	On Contractual Basis / On Deputation
8.	Mahout	1	On Contract / On Consolidated Pay



9.	Patawala	1	On Contract / On Consolidated Pay
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**AIRAWAT vehicle in Action**

### 11.03 Sniffer Dog Training

A Training on the Sniffer and Tracker Dog Squads involving staff of Buxa Tiger Reserve, Sundarban Tiger Reserve and Mahananda Wildlife Sanctuary is going on at the National Training Centre for Dogs (NTCD), Border Security Force Academy, Tekanpur, Gwalior, Madhya Pradesh.

The staff who are undergoing this Training are :

- (1) Sri Loben Gurung, Forest Guard of Darjeeling Wildlife Division
- (2) Sri Pemba Sherpa, Forest Guard of Darjeeling Wildlife Division
- (3) Sri Johny Sharma, Forest Guard of Buxa Tiger Reserve (East)
- (4) Sri Subhendu Bikash Roy, Forest Guard of Buxa Tiger Reserve (West)
- (5) Sri Ranjit Halder, Forest Guard of Sundarban Tiger Reserve
- (6) Sri Sunil Kumar Nath, Forest Guard of Sundarban Tiger Reserve

### Background

Sniffer dogs have proven to be effective tools in fighting poaching and other wildlife related crimes with their ability to sniff out wildlife (live and derivatives) and track the crime trail. The Sniffer Dog Training was introduced to wildlife crime investigation in different countries including USA and South Africa during 1990s. In India this project was initiated by TRAFFIC-India in association with different Government departments like Forests, Police, Customs and other wildlife enforcement agencies.

## Significance

There are three basic elements which distinguish these Sniffer Dogs from their less illustrious counterparts – focus, discipline and total obedience. This attributes have vital role in making a perfect Sniffer Dog. From the very beginning, these animals develop a special bond with their handler, who is trained to handle these animals with care and discipline. A training of nine months of the dog and their handler gives the dog the ability to respond to the command of the handler with utmost importance. The most vital training includes two steps. First, the dog gets familiarised with animal parts like skins and bones of Tiger, Leopard. This is followed by a rigorous training schedule where these animal parts are hidden in suitcases, vehicles including cars, buses and railway carriages. Capability to trace wildlife products buried in the ground is also developed. The Dogs receive a special gesture of encouragement on successful detection.

The Sniffer Dog Squad use proves to be an important tool in the sensitive areas where poaching and illegal wildlife trade have become very serious concern due to organised nature of crime. With shortage of manpower, Sniffer Dog Squad can become extremely helpful in strengthening wildlife enforcement and combating the crime.

## Training Schedule

- Length of Training – Nine Months.
- First three months – Discipline and Obedience for Dogs and handlers.
- Next three months – Command and Dog Care.
- Last three months – Sniffing and detection of different wildlife products in different field scenarios – Handlers' exam and Dogs' performance Test.
- Passing out parade and deployment to home state.

There will be three Dog Squad deployed at Mahananda Wildlife Sanctuary, Buxa Tiger Reserve and Sundarban Tiger Reserve – after they pass out from the NDCD, Gwalior.

The three Dogs will be available free of cost procured by TRAFFIC and the maintenance of the Dogs after they come to the State will be borne by the Govt. of West Bengal till they are alive





#### 11.04 Observation of Wildlife Day, 2016:



Various activities in different Forest Divisions in connection with the celebration of Wildlife Day 2016-17 –

Jaldapara Wildlife Division						
Sl. No.	Range	School Name	Participants (Nos.)	Activity	Date	Remarks
1	Jaldapara North	Madarihat High School	35	Cycle Rally	04.01.2017	Uttar Madarihat FPC and Titi EDC Members
2	Jaldapara North	Laxmi Prasad Deokata Nepali High School	35	Sit and Draw	05.01.2017	
3	Jaldapara West	Hollong Primary School	50	Sit and Draw	05.01.2017	
4	Jaldapara East	Jaldapara BFP School and Nepali Hindi School	16+10	Sit and Draw	05.01.2017	
5	Jaldapara East	Mendabari Bananchal Primary School	35	Sit and Draw	05.01.2017	



Panchet Division					
Sl. No.	Range	Activity	Date	Participants (Nos.)	Remarks
1	Bishnupur	Sit and Draw	03.01.2017	22	
2	Bishnupur	JFMC Meeting	07.01.2017	26	JFMC Members
3	Bishnupur	JFMC Meeting	09.01.2017	132	JFMC Members
4	Joypur	Sit and Draw	04.01.2017	23	at Ankur Hall
5	Joypur	Sit and Draw	04.01.2017	15	at Panchayat Samity Hall
6	Joypur	JFMC Meeting	09.01.2017	112	JFMC Members with BDO/ Minister/Sabhadhipati
7	Bankadaha	Sit and Draw	08.01.2017	30	
8	Bankadaha	JFMC Meeting	09.01.2017	75	JFMC Members
9	Onda	JFMC Meeting	09.01.2017	150	JFMC Members
10	Taldangra	JFMC Meeting	07.01.2017	57	JFMC Members



Nadia - Murshidabad Division	
Sl. No.	Activities
1	Flex bearing message/slogan were displayed from 3rd to 9th January,2017 at all Range and Beat locations and at other prominent places like Zilla Parishad, Sub-Divisional Office etc.
2	Free entry of school students were allowed at Bethuadahari Wildlife Sanctuary from 3rd to 9th January,2017 and this was informed through the DI of Secondary and Primary Education of both Nadia and Murshidabad Districts - a total of 367 students visited the Sanctuary during this time.
3	Cultural programmes like Sit and Draw competition, Film Show on Wildlife at Bethuadahari NIC for the students,discussion on topics like "Wildlife Conservation" and "Man-Animal Conflict" were organised involving School students, Members of three-tier Panchayats,EDC-FPC members, NGOs,Police,Block Administration and local people of both Nadia and Murshidabad on 5th,7th and 9th January,2017. Students were taken inside Bethuadaharai Sanctuary and briefed by the Assistant Divisional Forest Officer about bio-diversity of the area.
4	The messages of Hon'ble Chief Minister,West Bengal and that Hon'ble MIC,Forests,GoWB were read out and circulated at all places where the programmes were organised.

Buxa Tiger Reserve (East)	
Sl. No.	Activities
1	A film show was conducted at the Nature Interpretation Centre, Rajabhatkhawa on 03.01.2017 on wildlife from 11.30 am to 5 pm. Viewers present - About 300 nos.
2	A Cycle Rally was organised on 04.01.2017 at 8.30 am from Mahakal More Chowpathy,Alipurduar to Sankosh Bridge along the NH 31-C for about 32 Kms. Participated by 31 persons consisting of students, JFMC members,NGOs and NGIs with forest staff. Ploce played an active role in controlling the traffic for smooth functioning of the rally and medical team was also present during the entire programme.
3	A Sit and Draw competition on Wildlife, was organised on 04.01.2017 at 11.30 am involving school students of Alipurduar town area at Mac William Higher Secondary School,Alipurduar. Thirty Two nos. students participated in this competition and the winners were awarded with plaques.
4	Publicity materials such as flex and posters were portrayed at various prominent locations. Miking on vehicle was conducted at various places.

Kurseong Division		
Sl. No.	Type of Activity	Activity Details
1	Event I : Stage-I Bicycle Rally from Kolabari to Bagdogra Range Office	Over 25 Kms rally was conducted on 04.01.2017 where over 35 nos. of cyclist participated. Dignitaries, who addressed to the mass at the time of Flag Off of the Cycle Rally were : Sri A K Syangden, IFS(Retd); Dr. P T Bhutia,IFS,APCCF,NB; Sri M R Baloch, IFS, APCCF & CCF, HC; Sri N S Murali, IFS, CCF,WL(North); Md. Islam, Karmadhhakhsya, Naxalbari Block & Panchayat Samity; Smt. S Lama, Pradhan, Maniram Gram Panchayat
2	Event II : Flash Mob at City Centre Mall, Siliguri	A Flash Mob was organised in association with Impulse Dance and Fitness Studio, Kalimpong - over 30 participants performed the flash mob on wildlife conservation issues

Malda Division					
Sl. No.	Range	Activity	Participants (Nos.)	JFMC Name	Other Activities
1	Malda	Sit and Draw Competition	26	Kharnuna-Malancha	(i) Video Show on Wildlife (ii) Visit of School Students to Adina Zoo (iii) JFMC Meetings (Five nos.) (iv) Prize Distribution
2	Malda	Sit and Draw Competition	30	Halna	
3	Gazole	Sit and Draw Competition	20	Kalna	
4	Gazole	Sit and Draw Competition	16	Adina - I	
5	Gazole	Sit and Draw Competition	14	Adina - II	



Darjeeling Division			
Sl. No.	Event	Participants (Nos.)	Remarks
1	Sit and Draw Competition	16	Certificates distributed to all
2	Film Show Documentary on Wildlife	General Public	For Public viewing at Chowrashta
3	Flash Mob	45	Certificates distributed to all

### Celebration of Wildlife Day





## **11.05 Introduction of Cash Rewards in different categories of Wildlife Conservation Award, 2016**

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

The Governor of West Bengal, vide No. 1853-For dated 15/07/2016, was pleased to issue a procedure / guideline for offering Wildlife Conservation Award to those who have a major impact on the protection and conservation of Wildlife in the State.

This Award recognizes outstanding accomplishment by the Forest Officers (upto the rank of DFO), Forest Staff, NGOs, Community, Panchayat Samity, Forest Protection Committees, Eco-Development Committees, Villagers and Individuals currently working in the field.

Any citizen of India can recommend a name for this Award. The nominations must be accompanied by the details as below:

- a. Name and Address of the Nominee
- b. Area of Work
- c. Significant contributions made by the nominee
- d. Measurable impact or likely impact of the nominee's work in the field of wildlife.

There are three categories of Award given :

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

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

This Committee would examine each nomination and take decision depending on the merit of the case and nature of contribution made by the nominee in conservation of wildlife. Decision of this Committee would be final.

The Composition of the Committee:

1. The Principal Chief Conservator of Forests, Wildlife and Chief Wildlife Warden, West Bengal :  
Chairman of this Committee
2. Representative of Forest Department, Govt. of West Bengal : Member
3. The Addl. Dir. Gen./Insp. Gen. of Police ( Forests) : Member
4. The Addl. PCCF and Director, Sundarban Biosphere Reserve : Member
5. The Addl. PCCF, North Bengal : Member
6. The Addl. PCCF, Wildlife, WB : Member
7. The Deputy Director, WCCB, Eastern Zone, Nizam Palace : Member
8. Two nos. NGOs (attached with the activities of Forestry  
and Wildlife) to be nominated by the Forest Department, GoWB : Member
9. One Member of State Board for Wildlife (to be nominated by  
the Forest Department, GoWB) : Member
10. The Conservator of Forests, Wildlife (Headquarters) : Member-Convener

This year during 2016-17 two NGOs nominated by the Department of Forests, Govt. of West Bengal against Sl.No. 8 of the above list, to act as the members of the Wildlife Conservation Award Committee, were:

- i. Mr. Ravi Singh, CEO, WWF, India or his representative and
- ii. Ms. Bonani Kakkar, PUBLIC.

### **Awards and Presentation**

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

The recipients of Wildlife Conservation Award, 2016 were :

1. *Award for Protection and Rescue of Wildlife*  
Sri Sanjay Dutta, FR, Range Officer, Belacoba Range and others.
2. *Wildlife Conflict Management Award*
  - a) Sri Dr. Vasavaraj S Holeyachi, IFS, Divisional Forest Officer and Staff of Sukna Wildlife Squad
  - b) Sri Subrata Pal Chowdhury, Technical Assistant, Wildlife Wing and his Team
3. *Conservation Awareness Award*
  - a) Sri Krishna Bahadur Chhetri
  - b) Sri Pusha Oraon
  - c) Sri Manbahadur Lama
  - d) Sri Filmen Oraon
  - e) Sri Biren Ekka – All are members of Titi Eco-Development Committee of Nilpara Range, Jaldapara Wildlife Division.

The recipients received the Awards from Smt. Mamata Bandyopadhyay, Hon'ble Chief Minister, West Bengal on 03<sup>rd</sup> January, 2017 at the inauguration of the Wildlife Day, 2016-17 at Medinipur.



## 11.06 Mitigation of Human-Elephant Conflict in Durgapur Industrial Area

A herd of three elephants depredated the border area villages of Birbhum and Durgapur Divisions during the last week of January, 2017. The elephants crossed the river Ajay and entered Durgapur Division. After entering this Division, the three elephants got separated from each other and started to make crop and hut damage in different villages. On 03.02.2017, a team from Wildlife (Headquarters) arrived at Durgapur Division under the direction of the PCCF, Wildlife, WB. The junior most member of the elephant herd was then wandering at the industrial area of DPL compound, Durgapur – there was large public gathering there – the elephant very quickly went further to Birbhanpur using the darkness of night – about 11.45pm, it was possible to push the elephant to cross Damodar river by using Hoolah Party and staff movement, to make it enter to the forest of Bankura (North) Division. On the next day, ie. on 04.02.2017, it was learnt that the second member of that herd, a tusker, was roaming at the ABL Company compound, Durgapur industrial area. The Driving operation inside the small patch forest of the ABL Company for the lone tusker started at the afternoon under the direction of the Wildlife (Headquarters) team – the tusker came out of the forest into the crowded road twice – attempt was made to tranquilize the tusker, but somehow not worked – in the meantime the tusker slipped out of the area, crossed NH-2 and entered inside ITI Compound on the opposite side of the road by breaking the lock of the gate – it was searched for an hour inside that compound but nowhere was found – it was a dense residential area full of human population – however no one was hurt neither was any big damage - at last it was discovered that the elephant had broken another gate and went outside that compound and entered the compound of the abandoned factory compound of Hindustan Fertilizer Company Limited, Durgapur Unit – after looking for it for an hour the tusker was located for a while – again attempt to tranquilize it was made, but again in vain due to distance and the elephant entered inside the forest of the compound and lost out of sight and the time was 3.30am – after an hour's search, the tusker was not found due to dense forest and darkness – the operation was withdrawn for the time being.

On the next day, ie. on 05.02.2017, the search operation at HFCL compound started at 11 am – the factory compound was said to be 2700 Acres – out of this only 25% was more or less open area – the rest was found to be very densely forested compound – search was done in and around the open area of the factory as far as possible – could not find the tusker throughout the day nor got any information about the elephant. In the evening got the news that the elephant had got out on the opposite side boundary bordering the Balaji Steel Factory, Durgapur. The driving team moved towards that direction – but could not find the tusker. It was decided that, the area should be left to give space to the elephant to move freely towards Damodar river. The Team came back to HFCL compound at late night and utilized the “AIRAWAT” vehicle and busted crackers to disturb the elephant and push it towards the river Damodar.



The HFCL Compound in Durgapur where the Tusker took shelter for 2 days



On 06.02.2017, in the morning, the information received, that, the elephant had moved out of HFCL compound and had taken shelter in the crop field of Mobarakganja village near Rajbandh close to Damodar river – the Wildlife Driving Team went to that village at around 10.30 am – got a glimpse of the Tusker – villagers were made aware not to disturb the elephant – at around 3 pm, the Tusker came out of its shelter to eat Tomato from the field and after sometime it started to walk towards west on right direction – but suddenly it turned opposite in the loud noise of the villagers behind it and started running on that direction – it stopped and took shelter in a small patch called Bankata – in the dark, the elephant was again lost – at around 9 pm, information came that, it had moved to Dhobaghata village in right direction towards Damodar river – the Driving Team moved towards there – mobilized the “AIRAWAT” vehicle and Hoolah Party – followed the tusker’s foot prints towards a village called Saha-Mana – walked on the river bed of Damodar river – busted crackers and finally found that the Tusker had crossed the Damodar river to enter to the forests of Barjora Range, Bankura (North) Division at around 12 midnight – stayed there for half an hour for making selves confirmed about the elephant does not return back and posted staff and Hoolah Party for the same reason there.







## 11.07 All India Synchronized Elephant Population Estimation

During the year 2016-17 the Elephant Census named as “All India Synchronized Elephant Population Estimation, 2017” was done. It is such named because, this time, the exercise was carried out in all states of a particular region at a time. As elephants are long ranging animals and distributed across landscapes covering different States in India, it is important to carry out synchronized elephant population estimation within each region in order to minimize bias in estimation of population that may arise from significant movement of elephants across State boundaries.

The regions in which the Elephant Population Estimation of West Bengal was to be done was :

- (1) North – Eastern Region (comprising Assam, Arunachal Pradesh, Northern West Bengal, Meghalaya, Nagaland and Tripura)
- (2) East – Central Region (comprising Jharkhand, Odisha, Southern West Bengal and Chhattisgarh).

## In North Bengal the Divisions, where the exercise has been done are : Kurseong Division, Baikunthapur Division, Darjeeling Wildlife Division, Gorumara Wildlife Division, Jaldapara Wildlife Division, Jalpaiguri Division, Buxa Tiger Reserve (West) and Buxa Tiger Reserve(East) Divisions.

\*\* In South Bengal the Divisions, where the exercise will be done in May,2017 are : Kharagpur Division, Medinipur Division, Rupnarayan Division, Jhargram Division, Panchet Division, Bankura (North) Division, Bankura (South) Division, Kangsabati (South) Division, Kangsabati (North) Division, Purulia Division, Birbhum Division, Durgapur Division and Burdwan Division.

### Planning and Execution

An Elephant distribution Map was prepared in each Elephant-bearing Division at three different levels:

- (1) Elephant distribution within the Reserved Forests (and also the Protected Forests, Unclassed State Forests)
- (2) Elephant distribution in non-forest areas (Tea, Coffee, Rubber or other Plantations) and Private Forest regions.
- (3) Elephant distribution details at village level (based on the records of crop compensations, human injury or death by elephants and elephant deaths within or nearby areas of villages).

The Map was to be developed based on the details obtained covering a period of five years.

### Methodology

#### A. Direct / Sample Block Count Method

- i. The elephants are counted within sample blocks selected randomly across the entire Division.
- ii. For each Division, approximately 50% Beats are chosen as Sample Blocks.
- iii. When the Beat area is large, an area of about 500 Hectares (ie. 5 sq. Kms.) is defined for enumeration.
- iv. The sample blocks are systematically surveyed / perambulated and the maximum possible area of each block are covered by the enumeration party.

This exercise was undertaken in North Bengal, as part of North – Eastern Region’s Synchronized Elephant Estimation, on 27.03.2017.

#### B. Waterhole/Salt Lick/Open Area Observations of Population Structure

- i. Waterholes/Salt Licks/Open areas with good visibilities are selected prior to the exercise.
- ii. Elephant visits to these areas are observed from 6am throughout the day till there is light.
- iii. During this period, all elephants visiting the spot are photographed, aged and sexed.

This exercise was undertaken in North Bengal, as part of North – Eastern Region’s Synchronized Elephant Estimation, on 28.03.2017.



### C. Line Transect Indirect Dung Count Method

- i. Line Transects are laid where the Block Count Samples are done, for estimating the density of elephant dung.
- ii. Each line transect of minimum length of 1 km. And minimum two nos. Per sample Block are laid across the slopes/streams/elephant paths.
- iii. GPS readings of Starting and Ending points and points of deviation, if any, are taken.
- iv. Perpendicular distance to each dung pile from the Transect Line to the middle of the dung pile is recorded.
- v. Elephant densities are arrived at, based on Elephant Dung Density, Daily Elephant Defecation Rate and Daily Elephant Dung Decay Rate.

This exercise was undertaken in North Bengal, as part of North – Eastern Region's Synchronized Elephant Estimation, on 29.03.2017.

As per the proposal of the Director, Project Elephant, Govt. of India, this Indirect Method involves Estimation of Dung Density, Dung Decay Rate and Defecation Rate to statistically arrive at the population figures. As the Dung Decay Rate experiment is time consuming and spread over a time period of about six months, the concerned Divisions took efforts to mark the Dung Piles starting from 20<sup>th</sup> October, 2016 till 9<sup>th</sup> March, 2017 on 8 (eight) occasions in an interval of 20 (twenty) days.

The Dung Decay Experiment was carried out in two landscapes in North Bengal, one in the Gorumara landscape and the other in the Buxa Tiger Reserve.

The Ranges carried out the exercise are :

1. Gorumara (N) and Gorumara(S) Ranges of Gorumara Wildlife Division; Lataguri, Ramsai, Chalsa and Diana Ranges of Jalpaiguri Division; Kathambari and Targhera Ranges of Baikunthapur Division.
2. West Rajabhatkhwa, East Rajabhatkhawa, West Damanpur, East Damanpur, Nimati, Pana and Hamiltongunj Ranges of BTR (W) Division; Jainti, Buxaduar, hatipota, North Rydak, Bholka and Kumargram Ranges of BTR(E) Division.

### Field Work done

Every 20<sup>th</sup> day for 8 (eight) occasions, 15 fresh dung piles were marked in the following manner. At the end of 8 occasions covering 140 days, 120 fresh dung piles are marked.

- i. Identifying fresh dung sample
- ii. Marking the sample – on nearby tree / stone
- iii. Taking GPS readings
- iv. Taking photographs
- v. Recording everything in the Dung Decay Rate Album Sheet and affixing the Photograph
- vi. There is a specific serial no. For each location.

On the 9<sup>th</sup> occasion, ie. On the 160<sup>th</sup> day, all previous exact locations as per the specific serial no. are visited for

–

- i. Recording the presence / absence of the Dung pile
- ii. Taking GPS readings and photographs – affixing them on the Dung Decay Rate Album Sheet

For this exercise, done over six months, no transects were required and the dung piles were marked randomly as per availability.

### The Schedule of the Dung Decay Experiment

Sl. No.	Dates for Marking Fresh Dung Piles	Number of Fresh Dung Piles Marked
1.	20 <sup>th</sup> October, 2016	15
2.	09 <sup>th</sup> November, 2016	15
3.	29 <sup>th</sup> November, 2016	15
4.	19 <sup>th</sup> December, 2016	15
5.	08 <sup>th</sup> January, 2017	15
6.	28 <sup>th</sup> January, 2017	15
7.	17 <sup>th</sup> February, 2017	15
8.	09 <sup>th</sup> March, 2017	15
9.	30 <sup>th</sup> March, 2017 (9 <sup>th</sup> occasion)	Obtaining information on the status of 120 Dung Piles marked from 20 <sup>th</sup> October, 2016

As per the existing raw data available at this moment in the Direct Sighting Estimation from Sample Block Count Data and Waterhole / Salt Lick / Open Area Observations, the approximate number of elephants in the North Bengal is 643, excluding the Indirect Count Method.

### Division-wise team details

#### Kurseong Division

1. Pemba Sherpa, 3 members, 1 NGO
2. T T Bhutia, 3 Members , 1 NGO
3. Sunil Rai and others
4. Naresh Pradhan and others

#### Buxa Tiger Reserve (East) Division

1. Sudipta Ghosh, Dr/Fr, Dudan Modak, FG, J Narnjinary BS, Kuldeep Roy
2. Sudeep De, Dr/Fr, Naren Rava, BS, Gautam Monghr FG, Taniya Mallik
3. Abu Islam, Dr/Fr, Rabindranath Burman, Biren Mahato, Antara Chakraborti
4. Dipak Modak, Dr/Fr, Biplab Deb, Bhakta B Chetri
5. Ganesh Modak, Dr/Fr, Bimal K Das, Ajit K Das

#### Buxa Tiger Reserve (West) Division

1. Sankar Chetri, Patras Oreo FG, Nil Rava, BS, Hasu Rava DL
2. C.K.Dey FR, Tapan Mazumdar FG, Budhan Santal BS, Gajen Rava PDL, NGO-Pradip Bhamal
3. Nanda Kishor Sahu HFG, Haren Dey FG, Hriday Rava BM, Palash Marak PDL
4. Ratan Kumar Chetri HFG, Sisir Sangma BS, Juel Lakra PDL, Bijoy Mahato DL
5. Prasenjit Pal Dr/Fr, Chandra Bh Thapa FG, Dhanapati Roy PDL, Rajkumar Ekka DL
6. Dhiren Ch Roy Dr/Fr, Swapan Sen FG, Manik Sangma BS FG, Sukumar Das PDL, NGO Abinash Kr Sonar
7. Biren Mahato DR/Fr, Kitram Rava FG, Badal Pradhan PDL, Moti Narjinary PDL
8. Bimal Mondal DR/FR, Hemraj Rai FG, Kajol Munda BS, Durga Baraik, NGO-Tamagna Sengupta
9. Ialu Munda DR/Fr, Sukna Barman FG, Durga Lama PDL, NGO-Arup Kundu
10. B Basumata FR, Ratneswar Roy FG, Dilip Narjinary PDL, DL
11. Latif Sheikh DR/Fr, Madan Thakuri FG, Himanshu Debnath FG, DI, NGO-Bhaskar Modak
12. P Murmu Dr/FR, S>L.Mahato, Obonath Basnet, Sukamal Dhali, NGO-Arindam Charrabarty
13. D Chowdhury FG, Pai Rava, Pappa Dey, Suresh Rava
14. Birsha Oraon FG, Ratan Ray, Biswajit Goon, Jer Rava, NGO-Asik Alam
15. M Mukherjee, HFG, Mahesh Roy, M.D Roy, Chucho Goyalla, S.Mitra Field Astt.
16. Bhaben Rishi FR, K P Chhetri, M Timsina & Badal Chhetri, Arjun Sharma

#### **Darjeeling Wildlife Division (Mahananda WLS)**

1. Bal Bahadur Subba, BS, Padam Pradhan, CDL, Sanjoy Bhagat, DL, Narayan Pradhan, DL, Ranjit Das Chakladar (NGO).
2. Sachin Biswakarma, FG, Gopal Gimire, CDL, Uttam Rai, DL, Milan Rai, DL.
3. Lalit Kumar Pradhan, FG, Joy Kumar Bhujel, FG, Bimal Tamang, DL, Kaustav Chaudhury (NGO).
4. Siddharth Gurung, DF/Fr., Krishna Chhetri, CDL, Suk Bahadur Tamang, CDL.
5. Mani Tamang, BS, Prabin Tamang, BC, Gobin Tamang, CDL, Aditya Chatterjee (NGO)
6. Mohan Chhetri, FG, Swapan Chhetri, CDL, Bikashendu Roy, DL.
7. Ramesh Lama, DR/Fr., Abhishek Pradhan, DL, Sulaj Chhetri, DL, Bishnu Kuamar, DL, Jayanta Chakrabarty (NGO).
8. Divesh Gurung, FG, Mani Kumar Sharma, DL, Subhash Tamang, DL.
9. Karna Rai, BS, Drona Rai, DL, Sunil Oraon, DL, Prem Tamang, DL, Subrata Paul (NGO).
10. N.M.Pradhan, DR/Fr., Niroj Ghale, CDL, Pritam Khawas, DL, Rabin Biswakarma, DL.
11. Sunita Toppo, DR/Fr., Kandra Saiba, BS, Tanka Bahadur Chhetri, CDL, Atul Roy, BC, Smt. Sangita Mitra (NGO).
12. Jyoti Gurung, BS, Rankumar Chhetri, CDL, Shyam Bahadur Chhetri, CDL, Mohan Rai, DL, Tarak Podder (NGO).
13. Sabin Rai, DR/Fr., Lalit Kumar Chhetri, FG, Rupam Chhetri, Odly, Rana Kumar Rai, CDL, Surajit Das Chakladar (NGO).
14. Naresh Waiba, DR/Fr., Kalu Malpaharia, BS, Milan Pradhan, CDL, Surjya Bhuiya, CDL.
15. Tapash Kundu, DR/Fr., Japan Tamang, PW, Ashok Subba, Odly, Bishnu Saha, CDL, Aranyak (NGO).
16. I.K.Ibrahim, FG, Prakash Khawas, FG, Ram Bahadur Pradhan, BS, Brijesh Singh, CDL, Aranyak (NGO).
17. Santosh Rai, Mali, Rithey Pradhan, CDL, Raju Tamang, CDL, Ongu Oraon, CDL, Dipak Majumder (NGO).
18. Pukar Rai, DR/Fr., Debashis Das, FG, Hari Chhetri, DL, Anku Rai, DL, Suvankar Ghosh (NGO).
19. Kalyan Gurung, FG, Suraj Lohar, BS, Keshab Sharma, CDL, Dipak Sharma, DL, Jitendra Keshari (NGO).
20. Chandan Pradhan, FG, Bhim Bahadur Subba, FG, Chandra Rai, DL, Suman Chhetri, DL, Vishal Biswas (NGO).
21. Balaram Sharma, FG, Panchu Oraon, FG, Kishore Chhetri, DL, Binod Rai, DL.
22. Sarkey Tamang, FG, Walter Kerketta, BS, Nawin Rai, CDL, Gauri Chhetri, CDL, Ashis Kumar Roy (NGO).
23. Dipen Subba, DR/Fr., Rabin Khawas, FG, Dilip Rai, BS, Laxman Bhujel, CDL.

#### **Gorumara Wildlife Division**

1. Smriti Rai, 2. Shyamal Roy, 3. Pradip Roy, 4. Sanjay Sah Mahut
2. Md Anwar Hussain FG, Sanajit Roy CDL, Tehu Kanwar CDL Mahut,
3. Upen Roy FG, Uday Sankar Chakraborty FG, Ashok Kavar CDL, NGO-Anirban Majumdar, Green Level Welfare Society
4. Mandal Oraon BS, Nani Mohan Roy BS, Sukra Oraon CDL,
5. Paitu Oraon CDL, Paresh Roy CDL, Gendra Oraon CDL
6. Srijana Darnar DR/Fr, Nar Bahadur Giri BS, Md Samiul Haque CDL
7. Raj Kumar Sah DR/Fr, Raju Koya CDL, Sahidul Islam CDL
8. Bharat Singh Basumata DR/Fr, Somra Oraon BS, Kishun Oraon CDL, NGO Santanu Dey Sarkar, Bidhan Pally Paribesh Premi.

#### **Jaldapara Wildlife Division**

1. Sribas Sarkar, DR/Fr., Rati Oraon BS, Somra Praja Orderlym Nabanita Upadhyay, Peoples for Animals, Islampur,
2. Gopal Newar, BS, Birbal Basumati, PDL, Joybar Raca, PDL, Sandip Sarkar-Siliguri Nature Club
3. Mantu Das, DR/Fr, Ashim Barman BC, Mahadeb Roy, BC, Md Sameer, Nature Mayes Nature Club, Kolkata
4. Manajit Chakraborty DR/Fr, Mani Kumar Mangar FG, Nabiuk Haque DL, Sunpi Roy, Animal Help Line SLG,
5. Swapan Majhi, FR, Naskar Ali PDL Omm Prakash Nayel DL, Khusboo Maheswari, Animal Help Line
6. Pravat Kumar Barman DR/Fr, Sukumar Sarkar, PDL, Khagen karjee BS, Suvankar Majumdar, Animal Help Line, Siliguri
7. Amit Mangar DR/Fr, Janak Sharma BS, Purnadeb Roy, PDL, Ratan Chakraborty, EURO Club,
8. Hiranjan Rudra, DR/Fr, Jatramohan Roy, BS, NN Basuniya BS, Ayan Sasmal, Research Scholar, Aaranyak,
9. Sujit Kumar Barma, DR/Fr, Puchu Murmu PDL, Tulu Oraon, PDL, Bhaskar Sehanabish,



10. Gour Kumar Chanda DR/Fr, Hem Kumar Bhujel, FG,3. Chinendra Roy, BS,Saltu Roy, BS, Aritra Khetry, Project Elephant
11. Chiranjit Paul DR/Fr, Niloy Guha Majumdar FG, Pravash Roy, BS, Debasish Mukharjee, Peoples for Animal , Islampur
12. Swapan Roy Routh, DR,Fr, Ranjit Narjeenary FG,Kashinath Sharma BS,Somlal Oraon PDL
13. Rana Rahaman, DR/Fr., MD Safiur Rahaman FG, Pream Kumar Sharma BS
14. Manaranjan Roy, FG, Debajyoti Dutta FG (AWLW Office), Debaranjan Das FG(AWLW Office), Debasis Das, Cooch-Behar Mountaineers Club
15. Subir Sarkar, DR/Fr,Haresh Roy FG,Prafulla Barman FG, Prasad Majumdar, Siliguri Nature Help Organization
16. Gopal Newar BS, Birbal Basumata PDL, Joybar Rava PDL, Sandip Sarkar, Siliguri Nature Help Organization
17. Dhaniram Minj BS, Dipak Chikbaraik PDL, Amal Ch. Biswas BS
18. Binesh Karjee, BS, Naren Rava PDL, Joyhin Karjee BS, Hari Karmakar, BS, Jayanta Basu, Project Elephant
19. Swapan Bepari, DR/Fr, Pulin Narjeenary, BS, Nabin Karjee, PDL, Arun Basumata DL, Prasenjit Das, Project Elephant
20. Prakash Subba, DR/Fr, Juel Lakra FG, Satish Basumata, BS, Biswanath Das, EURO Club
21. Dhiraj Kami, DR/Fr, Khuya Minj, BS, Dipak Karjee PDL, Ganesh Chowdhuri, NEWS,
22. Sanat Sur, DR/Fr, MD. Safiul Islam FG, Maniram Oraon PDL
23. Nirmal Ekka, DR/Fr., Kabi Rava BS, Chan Rava BS, Bandhan Ekka PDL
24. Fazlil Azim Sarkar, DR/Fr., Kamal Pradhan BS, Dil Bahadur Biswakarma PDL, Paresh Roy PDL,
25. Ranjit Subba, FG, Paresh Barman BS, Sundar Chhetri BS,Dipak Rai PDL,
26. Subhash Kishore Paul, FG, Tapash Sarkar FG, Rasaraj Sarkar BS, Gunamay Banerjee

#### **Purulia Division**

1. Dhananjoy Mahato, FG, Raghunath Mahato, FG, Gourab Paramanik, WDT, Shibu Soren, CDL
2. Jaladhar Sabar FG, D Soren BS, Maheswar Tudu FG
3. Palu Karmakar FG, Hemu Majhi BM, Kartik Singmura CDL
4. Saheb Mahato, P Sing Sardar, D Phera
5. Jaladhar Sabar FG, D Soren BS, M Tudu FG
6. P Kar, H Majhi, K Sing Mura
7. Sitaram Mahato, S Sing Babu, P Majhi
8. I Mahato FG, M Mahato FG, A Majhi CDL, S Kundu
9. Raj K Kar FG, K Laya FG, K Murmu CDL

#### **Bankura(South) Division**

1. D Das, A Kundu, S Tudu, S Mahata
2. J Baj, M Mandi, D Mahato, S Bagdi
3. J Baori, P Lohar, S Mahata, N Misra
4. B Tudu, m Layek, B Lohar, N Hansda
5. S Patra, B Kotal, B Mahato, S Hansda
6. S Das, J N Mahato, R Majhi, S Hembram
7. D Das, A Kundu, S Tudu, S Mahata
8. J Baj, M Mandi, D Mahato, S Bagdi
9. B Tudu, m Layek, B Lohar, N Hansda

#### **Birbhum Division**

1. S.K.Mondal
2. U Singh
3. J P Guha Roy
4. S Roy, P K Ghosh, Balaram Mal, Ramprasad Lohar
5. Basanta Sarkar, A Santra, Sk Ansari
6. P Ckahraborty
7. S.K.Mondal

#### **Kangsabati(North) Division**

1. Monijit Das, Uttam Barui, Subhans Mahato, Meghnath Bauri
2. Suvendu Biswas, Khagen Majhi, Parameswar Baskay

#### Burdwan Division

1. T K Bandopadhyay, A Islam, R Seikh, A R Mallick
2. S Pal, J Pal, A C Saha, S Bagdi, S Kishku
3. Md Kudrote Khoda, T Mahato, K Mahato, R Hearn
4. K N Dey, K Mukhipadhyay, T Molla, S Lohar
5. C Roy, T Datta, S Mete
6. Chandan Roy, S Sinha

#### Durgapur Division

1. Amalendu Biswas, DR/Fr & Poulami Sengupta
2. Subhas Ch. Chatterjee & Amit Kumar Dey
3. Subhas Ch. Chatterjee & Amit Kumar Dey and Sanjoy Pati, DR/Fr & Sanchari Sarkar
4. Jagannath Mondal, FG & Pavel Ghosh

#### Jhargram Division

1. B Sabar, M Sabar, D Soren
2. Ranajit Bhaumik, Sudip Mahato, Ajid Singh
3. Nirmal Dey DR/FR, S Hembram HFG, S Murmu FG, C Maity FG

#### Kangsabati(South) Division

1. D Mahato, K Mahato, J Hembram, Ajit Mahato
2. Hira Sinha, Sunil Mahato, Magaram Mondal, Subodh Mahato



#### Kharagpur Division

1. Amitabh Satpathi DR/Fr, Sudhir Mahato BS, Fakir Kotal BS, Janardan Majhi FG
2. Subrata Basu DR/Fr, Purna Mahato, Sambhu Nayar, Sanjit Sen, A Mahato, S Mahato
3. Subrata Sinha Dr/FR and others
4. Nirmal Das DR/Fr, Haru Pal BS, Sarat Mahato, Bimal Nayak Mali

#### Medinipur Division

1. Mantu Das, Krishna Prasad Saren, Swapan Haldar, Sanjoy Mahata
2. Sankar Barari, Tapas Hembram, Pintu Roy
3. Prasanta Das DR/Fr, Susanta Ghosh FG, Surya Kanta Bhunia BS
4. Bhaskar Chandra Ghosh DR/Fr, Maheswar Mahato BS, Santu Dhada, NGO-Aakriti Singh(SACON)
5. Biswajit Roy FG, Pranabesh Ghosh, Somnath Nag
6. Barun Nath DR/Fr, Sanu Mahato BS, Dilip Mahata EW, NGO-A Basu Int Elep Foundation
7. Sital Bhunia DR/Fr, Somnath Mahata, Birbal Soren, Rajesh Mal
8. Amar Dey DR/Fr, Samir Bose FR, Damodar Murmu, Gunadhar Rana
9. Sandeep Biswas, Ayan Khanra, Mansur Ali Khan, Fazlul Haque Khan
10. Pranab Das, Kaustav Chakraborty, Dilleswar Mahato, Tarapada Chakraborty

#### Panchet Division

1. Nandadulal Majhi, Babulal Murmu, Gouri Sankar Mahanta, Santosh Hansda
2. Sakri Bouri, Sattar Mandal, Rajkumar De, Sunil Koley
3. Sadhan Mahanta, Jhantu Dey, Subal Shit, Chitta Mahadanda
4. Apurba Mohanty, Sambhunath Bir, Sk Mabia, Mandap Saren
5. Tanmay Bhunia, Sunil Lohar, Ramprasad Laru, Pradip Lohar
6. Srimanta Belthoria, Bidhan Bauri, Dharmeswar Midya, Laxmi saren
7. Subhas Midya, Durga Saren, Chandidas Mahanta, Dibakar De
8. Sahadeb Mura, Sukumar Bhattacharya, Md. Sariyat Khan, Md. Abdul Salam Khan

9. Sambhunath Chakraborty, Satya Ranjan Barui, Lakshmi Kanta Chakraborty, Chandi Das Mahanta, Mahadeb Kundu
10. Mantu Pada Bhanja, Subhas Ghosh, Subhas Midya, Durga Saren, Helu Lohar, Dibakar De
11. S. S. Karsharma, Tanmoy Bhunia, Sambhunath Bir, Dharmeswar Midya, Sudipto Mukherjee, Shyamal Soren
12. Ananta kumar Das, Sakti Bouri, Babulal Murmu, Ataur Rahaman Khan, Prabir Kisku, Naran Mandi
13. Tanmoy Dhara, Debdulal Maity, Nandadulal Majhi, Haripada Rakshit, Dulichand Murmu, Uttam De

#### Rupnarayan Division

1. Tarani Pada Roy, Subrata Bhattacharya, Uttam Ghosh, Joydeep Bera
2. Dilip Karak, Achintya Mahata, Surajit Banerjee, shrish Duley
3. S Tudu, B Soren, S Pratihar, P Mahata
4. S Mahata, S Ghosal, B Sing, K Ghosh
5. R Mahata, B Dey, S Lohar, D Das
6. P sadhukhan, G Duley, M Rahaman, L Duley
7. S Goswami, A Majhi, P Mahato, A Pal
8. M Murmu, A chowdhary, K Chowdhury, S Sardar
9. S Mudi, N Sardar, T Ali Khan, M Ari





## 11.08 Deer Translocation

According to Office Order No. 03-WL/9/2016 Dated 26/09/2016 of the PCCF, Wildlife & CWLW, WB, the Spotted Deer from the following Zoos, de-recognised by the CZA, to be translocated:

Sl. No.	Name of the Zoo from where Deer to be translocated	Location/Division	No.	Place of Translocation
1	Kumari – Kangsabati Deer Park	Bankura (South) Division	60	NBWAP
2	Hizli Eco Park	Kharagpur Division	90	MWLS
3	Bibhuti Bhushan Wildlife Sanctuary	North 24 Parganas Division	100	MWLS

The process of the relocation was to be started on/after 3<sup>rd</sup> week of October, 2016.

### Deer Capture & Translocation at Hizli Deer Park, Kharagpur Division

16.11.2016: The Team of WBZA completed preparatory work from 16.11.2016 to 20.11.2016.

20.11.2016: The Team captured 22nos. Deer & sent to NBWAP. } A Total of  
21.11.2016: The Team captured 25nos. Deer & sent to NBWAP. } 58 nos. Spotted Deer were  
22.11.2016: The Team captured 11nos. Deer & sent to NBWAP. } captured and translocated.

### Deer Capture & Translocation at BBWLS, North 24 Parganas Division

20.02.2017: Report on Medical Fitness of the Deer received from the DFO, North 24 Parganas.

27.02.2017: The Team captured 21 and 25nos. Deer & sent to NBWAP. } Total  
28.02.2017: The Team captured 35 and 22nos. Deer & sent to NBWAP. } 103 nos.









## 11.09 Solitary Elephant Dossier

Necessary Order was issued by the PCCF, Wildlife and CWLW, WB vide No. 2774(30)/WL/2W-764/2016 Dated 02.06.2016 for preparation of Solitary Elephant Dossier for each individual wild elephant roaming in the respective jurisdiction of each elephant Division of North Bengal and South Bengal – a specific format was also prescribed for the same.

### Status of Solitary Elephant Dossier by different Divisions:

Sl. No.	Name of the Division	Solitary Elephant Dossier (No.)
<b>North Bengal</b>		
1.	Kurseong Division	10
2.	Baikunthapur Division	11
3.	Gorumara Wildlife Division	10
4.	Buxa Tiger Reserve (West)	05
5.	Buxa Tiger Reserve (East)	04
<b>TOTAL</b>		<b>40</b>
<b>South Bengal</b>		
6.	Kharagpur Division	07
7.	Medinipur Division	01
8.	Rupnarayan Division	04
9.	Jhargram Division	04
10.	Bankura (North) Division	22
11.	Burdwan Division	01
<b>TOTAL</b>		<b>39</b>
<b>GRAND TOTAL</b>		<b>79</b>



## SOLITARY ELEPHANT DOSSIER - BANKURA NORTH DIVISION



**ELEPHANTLD.-BKN-T-5, Preferred Zone : Barjora & Mejhia**

**Home Range:** Barjora, Mejhia & G. Ghati Range area, covering 120 S.Km. approx

### IDENTIFICATION CHARACTERS:

1. Sex : Male      Age: 40-45 years      Body: Kumra Bandh
2. Circumference of Front foot : 17" cm
3. Shoulder height : 9 ft 6 inch / 289 cm
4. Tusker : Makna : Tusker with both tusks present
5. Tusk Shape & size : Parallel Tusks 2 ft
6. Back shape : Sloping Back
7. Tail : Pankhi dum, fish tail
8. Special Identifying characters: Pink depigmentation marks on ear lobes & movement of left hind leg is abnormal.

## 11.10 Declaration and Elimination of Rogue Elephants

During the year 2015, the Divisional Forest Officer, Bankura (North) Division and thereafter, the Chief Conservator of Forests, Central Circle reported that a male tusker elephant had killed five villagers and injured another five persons showing very aggressive behaviour. The said elephant was said to display aggressiveness which was very dangerous for the life and property of common people.

Being satisfied by the given circumstances, the Chief Wildlife Warden, West Bengal authorized the Divisional Forest Officer, Bankura (North) Division to arrange for tracking, identification and hunt the said tusker (wild elephant) in his jurisdiction vide Office Order No. 5-M/8-2015 dated 29.04.2015.

The tusker was of 30-35 years of age having approximate shoulder height of 10 ft with Mirgha Bundh, torn ears and Palong Dant. This order was valid till 15<sup>th</sup> June, 2015.

On 27.06.2016, the Divisional Forest Officer, Bankura (North) Division, duly recommended by the Chief Conservator of Forests, Central Circle, informed the Chief Wildlife Warden, West Bengal that the elephant could not be hunted within stipulated time due to various reasons, but the elephant (tusker) continued to be dangerous for the life and property of the common people, so the time limit might be extended for some further period. Considering the fact, the Chief Wildlife Warden, West Bengal issued an Office Order No. 12-M/8-2016 dated 29.06.2016 where he extended the time limit of this order of Hunting of the said tusker till 31<sup>st</sup> August, 2016.

The operation started on 31.07.2016 at the Sarenga village under Beliatore Beat of Beliatore Range. Here, the said elephant T8 was located inside the forests. Five nos departmental elephants were engaged this time also for this operation. Initially, the elephant was darted by the tranquilising team at 9.35 am, but the rogue elephant (T8) chased them ferociously. After repeated sincere efforts to tranquilise the elephant going in vain, two rounds of bullets were fired by two professional shooters from their 0.450 and 0.375 rifles respectively. The elephant fell down and again got up to enter into further dense forest. Seeing the forest staff following it, the tusker again chased them and having no other options, further two rounds of bullets were fired at it. The elephant fell down and died.

There was another order of Hunting of another elephant of the same Division ie. Bankura (North) Division. The original order was issued by the Chief Wildlife Warden, West Bengal vide No. 4-M/8-2016 dated 03.02.2016 and again it was extended till 31<sup>st</sup> August, 2016, by the Chief Wildlife Warden, West Bengal vide No. 13-M/8-2016 dated 29.06.2016, both on the basis of reports from the Divisional Forest Officer, Bankura (North) Division and recommendation from the Chief Conservator of Forests, Central Circle. This elephant was also a tusker of 30-35 years of age with normal tusks and shoulder height of approximately 9 ft.

The operation started on 04.07.2016 under the leadership of the DFO, Bankura (North) Division and staff of Wildlife (Headquarters). There were five departmental elephants engaged in this duty. The target elephant, T12 was tracked alongwith another elephant T13 at Mouja – Baromesia of Belboni Beat, Bankura (North) Range. The T13 elephant was tranquilised and captured. This elephant was also said to be damaging huts of the villagers alongwith T12.

On the next day, ie. on 05.07.2016, the elephant T12 was located at Dharasole village of Beliatore Beat and again in the afternoon at Koima Mouja of Beliatore Beat near Balaibandh. The elephant was darted a number of times but each time it charged the staff and officers present at the field dangerously. Having no other way to sedate the animal, at around 5.10pm, it was fired six rounds of bullets from heavy bore rifles by professional shooters and was hunted.

The elephant, T13, which was captured in this process, was sent to Buxa Tiger Reserve (West) Division.





# 11.11 Order of Implementation of Section 144 of CrPC during Wildlife Emergencies

110

22/08/16  
D-22/1  
DDMO  
H. Inform all  
DEPT. 500A  
ADM (DEV.)  
Bankura

Office of the District Magistrate  
- 8 APR 2016  
\* BANKURA \*

Government of West Bengal  
Home Department  
Internal Security Branch  
Secret Section  
Nabanna, HRBC Buildings, Shibpur, Howrah.

ADM (LR)  
8/4  
District Magistrate  
Bankura  
No 1117 H/c  
151  
ADM (Au)  
may pt. 20

No. 398- I.S.S.      Dated, Kolkata, the 04<sup>th</sup> April, 2016.

This is directed to all concerned that on receipt of the request from the concerned Forest Officers, in case of any emergency situation arising out of the straying of wild animals into nearby localities, imposition of Section 144 of Cr PC, as advised and adopted by the National Tiger Conservation Authority, is henceforth mandatory in the areas where strayed wild animals are reported to have entered, in order to prevent loss of human life as well as safe tranquilization and relocation of the animal.

Sd/=  
Special Secy. to the Govt. of West Bengal

No. 398/1(39)-ISS      Dated, Kolkata, the 04<sup>th</sup> April, 2016.

Copy forwarded for information and necessary action to:

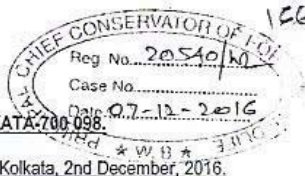
1. The District Magistrate, Bankura District.
2. The Superintendent of Police, ..... District.
3. The Principal Secretary to the Government of West Bengal.  
Department of Forests  
Aranya Bhaban, Block-LA-10A, Sector-I/II, Salt Lake City, Kolkata- 700 098.

Special Secy. to the Govt. of West Bengal.

## 11.12. Constitution of State Board for Wildlife

R. Chandra  
9/12/16  
08.12.2016  
No.4142-For

GOVERNMENT OF WEST BENGAL  
DEPARTMENT OF FORESTS  
ARANYA BHABAN, BLOCK-LA-10A, SECTOR-III, SALT LAKE CITY, KOLKATA-700 098.



Dated, Kolkata, 2nd December, 2016.

### RESOLUTION

In exercise of the power conferred by sub-section (1) of section 6 of the Wildlife (Protection) Amendment act, 2008, the Governor is pleased to constitute a State Board for Wildlife consisting of the following members :-

1.	Smt. Mamata Banerjee, Hon'ble Chief Minister	Chairperson
2.	Shri Binay Krishna Barman, Hon'ble Minister-in-charge, Department of Forests	Vice-Chairperson
3.	Chief Secretary, Govt. of West Bengal	Member
4.	Shri Jayanta Naskar, MLA	Member
5.	Shri Khagendra Nath Hembram, MLA	Member
6.	Shri Ananta Deb Adhikary, MLA	Member
7.	Shri Jaydip Kundu, N.G.O. Heritage & Ecological Researches (SHER), 7A, Principal Khudiram Bose Road, Kolkata-700 006 (Contact No.9830092059)	Member
8.	Shri Animesh Bose, N.G.O.HNAF, House of Mr.K.D. Ghosh, Milanmandir Road, Siliguri	Member
9.	Shri Biswajit Roy Chowdhury, N.G.O. Nature Environment & Wildlife Society, 10, Chowringhee Terraces, Kolkata-700 020 (Contact No.9831898411)	Member
10.	Shri Biswanath Pahan, C/O-Nikhil Sarkar, Power House, P.O.-Beltala Park, South Dinajpur, (Contact No.9932297984)	Member
11.	Shri Pawan Lakra, Kalchini, Alipurduar	Member
12.	Smt. Sumita Ghatak, IFS	Member
13.	Shri Joydeep Mukherjee, Advocate, Supreme Court	Member
14.	Shri Ranjit Mallick	Member
15.	Shri Mriganka Banerjee	Member
16.	Col.Diptangshu Chaudhuri (Retd.)	Member
17.	Shri Arjun Hansda, Jhargram, Paschim Medinipore (Contact No.7872545423)	Member
18.	Dr.Arabinda Ghosh, Ex-Associate Prof.& HOD, Deptt. of Zoology, Vidyannagar College (Contact No.9830536641)	Member
19.	Shri Kalyan Chakraborty	Member
20.	Director, Alipur Zoological Garden	Member
21.	Principal Secretary, Department of Forests, W.B.	Member
22.	Principal Secretary, Department of BCW, W.B.	Member
23.	Principal Chief Conservator of Forests & Head of Forest Force, W.B.	Member
24.	Managing Director, West Bengal Tourism Development Corporation	Member
25.	Representative of West Bengal Police Department (Not below the rank of Inspector General)	Member
26.	Representative of Armed Forces (Not below the rank of Brigadier to be nominated by Government of India)	Member
27.	Director, Department of Fisheries	Member
28.	Director, Department of A.R.D. Govt. of West Bengal	Member
29.	Nominee of the Director, Wildlife Preservation	Member
30.	Representative of the Wildlife Institute of India, Dehradun	Member
31.	Representative of Botanical Survey of India	Member
32.	Representative of the Zoological Survey of India	Member
33.	Chief Wildlife Warden, West Bengal	Member Secretary

The function of the State Board for Wildlife will be to advise the State Government:-

- In the selection and management of areas to be declared as Protected Areas ;
  - In formulation of the policy for protection and conservation of wildlife and specified plants ;
  - In any matter relating to the amendment of any schedule ;
  - In relation to the measure to be taken for harmonizing the needs of the tribal and other dwellers of the forest with the protection and conservation of wildlife; and
  - In any matter connected with the protection of wildlife which may be referred to it by the State Government.
- The Board shall meet at least twice a year at such place as the State Government may direct.  
Travelling allowances and daily allowances will be payable to non-official members of the Board as admissible to grade 1 Officers of the Government of West Bengal.  
Resolved that this Resolution to be published in the Kolkata Gazette.

By order of the Governor,



No.4142/1(34)-For/FR/O/11M-13/16

Dated, Kolkata, 2<sup>nd</sup> December, 2016.

Copy forwarded for information to :-

1. The P.S. to Hon'ble Chief Minister, Govt. of West Bengal.
2. The Minister-in-Charge, Department of Forests.
3. The Chief Secretary, Govt. of West Bengal.
4. Shri Jayanta Naskar, MLA.
5. Shri Khagendra Nath Hembram, MLA.
6. Shri Ananta Deb Adhikary, MLA.
7. Shri Jaydip Kundu, N.G.O. Heritage & Ecological Researches (SHER), 7A, Principal Khudiram Bose Road, Kolkata-700 006 (Contact No.9830092059).
8. Shri Animesh Bose, N.G.O.HNAF, House of Mr. K.D. Ghosh, Milanmandir Road, Siliguri.
9. Shri Biswajit Roy Chowdhury, N.G.O. Nature Environment & Wildlife Society, 10, Chowringhee Terraces, Kolkata-700 020 (Contact No.9831898411).
10. Shri Biswanath Pahan, C/O-Nikhil Sarkar, Power House, P.O.-Beltala Park, South Dinajpur, (Contact No.9932297984).
11. Shri Pawan Lakra, Kalchini, Alipurduar.
12. Smt. Sumita Ghatak, IFS.
13. Shri Joydeep Mukherjee, Advocate, Supreme Court.
14. Shri Ranjit Mallick, Film Actor.
15. Shri Mriganka Banerjee
16. The Col.Diptangshu Chaudhuri (Retd.)
17. Shri Arjun Hansda, Jhargram, Paschim Medinipore (Contact No.7872545423).
18. Dr.Arabinda Ghosh, Ex-Associate Prof.& HOD, Deptt. of Zoology, Vidyannagar College (Contact No.9830536641)
19. Shri Kalyan Chakraborty, Jalpaiguri.
20. The Director, Alipur Zoological Garden.
21. The Principal Secretary, Department of Forests, West Bengal.
22. The Principal Secretary, Department of BCW, West Bengal.
23. The Principal Chief Conservator of Forests & Head of Forest Force, West Bengal.
24. The Managing Director, West Bengal Tourism Development Corporation.
25. The Representative of West Bengal Police Department (Not below the rank of Inspector General).
26. The Representative of Armed Forces (Not below the rank of Brigadier to be nominated by Government of India).
27. The Director, Department of Fisheries.
28. The Director, Department of A.R.D. Govt. of West Bengal.
29. The Nominee of the Director, Wildlife Preservation.
30. The Representative of the Wildlife Institute of India, Dehradun.
31. The Representative of Botanical Survey of India.
32. The Representative of the Zoological Survey of India.
33. The Chief Wildlife Warden, West Bengal.
34. The Superintendent, West Bengal Govt. Press, Alipore, Kolkata-700 027.

He is requested to publish the Resolution in extra-ordinary issue of the Calcutta Gazette and send (50) copies of the same to this department for official use.

O.S.D. & E.O Joint Secy. to the Govt. of W.B.





**IMMOBILISATION,  
CAPTURE &  
TRANSLOCATION  
OF WILD  
ELEPHANT FROM  
GOLAPBAGH,  
BURDWAN NEAR  
UNIVERSITY  
CAMPUS.**



**TRUCK LOADING  
WITH CRANE AND  
TRANSLOCATION  
BY TRUCK TO  
GORUMARA NP  
DURING  
07.06.2016 TO  
10.06.2016**



### **11.13 Poaching of Endangered Animals during 2016-17 in West Bengal:**

One elephant and one Gaur had been killed by poachers during 2016-17. Details are as follows:

- One Tusker killed on 08.07.16 at Rydak river side, CR-4 Comptt., under Tiamari Beat under North Rydak Range of Buxa Tiger Reserve (East) Division.
- A Gaur killed at Adma-2 Comptt. under Adma Beat of Pana Range of Buxa Tiger Reserve (West) on 27.03.17.



Arrest of Poachers at Jaldapara



Rifle recovered from Poachers



Kochubari Antipoaching Camp- Jaldapara



Scanning duty at Mahananda WLS



### 11.14 Retaliatory Killing of Wild Elephant by electrocution during 2016-17:

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

- A Female, Sub-adult found dead at Anantabati Mouza of Indkata Beat, Sonamukhi Range under Bankura (North) Division on 13.05.16. FIR lodged.
- A carcass of Male, Makna, Sub-adult elephant was found on 18.06.16 at Debisimul Khas Busty under P.S. Birpara of Jalpaiguri Division. An FIR lodged against a villager Sri Shyam Hari Chettri.
- On 11.01.17, a Male, Sub-dult elephant found dead at Mouza Kharikasuli -552, Garhbeta-I Block, Dhadika Beat under Garbeta Range under Rupnarayan Division. Post mortem reveals that the death may be due to cardiac failure on account of electrocution.
- A carcass of Male, Adult Elephant found at Potato field near village Kodalia, Mouza-Katapesia, Vill. Kodalia, Belboni Beat under Bankura North Range under Bankura (North) Division on 18.01.17. The death was due to electrocution. FIR lodged against 3 persons by name.
- A dead body of a Male, Tusker found at Mouza Saulia of Brindabanpur Beat of Beliatore Range under Bankura (North) Division on 09.02.17. It died due to cardio-respiratory failure due to electrocution. FIR has been lodged with Beliatore P.S.



### 11.15 Animal Rescued in West Bengal during the year 2016-17

Sl. No.	Species	Number	Sl. No.	Species	Number
1	Bird	2895	16	Ferret Badger	15
2	Snake	1891	17	Elephant	7
3	Turtle & Tortoise	9283	18	Leopard	43
4	Monitor Lizard	58	19	Gaur	13
5	Jackal	53	20	Nilgai	4
6	Monkey	194	21	Sambar	1
7	Langur	260	22	Barking Deer	31
8	Jungle Cat	41	23	Spotted Deer	3
9	Fishing Cat	16	24	Hog Deer	4
10	Leopard Cat	3	25	Crocodile	6
11	Civet	460	26	Dolphin	1
12	Porcupine	2	27	Squirrel	4
13	Pangolin	2	28	Mongoose	5
14	Gecko	151	29	Bengal Fox	6
15	Slow Loris	1		Total	15453



## Rescue of Wildlife during 2016-17



Gharial rescued from Kalindri river and released in the Ganges near Manikchak Ghat



Owl rescued from Jhaljhalia and released at Adina on 03.01.2017



## Rescue of Strayed Gaur

## 11.16 Translocation of wild animals during 2016-17

Sl no	Species	No.	Captured from	Place of release	Capture method tranquilization, trap cage, others (species)	Remarks
1.	Tiger	1 no.	Maipith, Kishorimohonpur FPC, 24-Parganas (South) Division	Nil	Cage	Captured by cage on 24.12.2015 and sent to Alipore Zoo for medical treatment on 13.07.2016.
2.	Crocodile	1 no.	Dakshin Shibgung village under G.P. Patharpratima, 24-Parganas (South) Division	Bhajjora khal at Chulkati I	Others	Captured on 07.11.2016 at about 11:20 a.m. and it release at Bhajjora khal at Chulkati-I on the same day at about 2:15 p.m.
3.	Crocodile	1 no.	Achintanagar village, 24-Parganas (South) Division	Baro Bhajjora khal at Chulkati I & II	Others	Captured on 12.03.2017 at about 11 a.m. and it release at Baro Bhajjora khal at Chulkati I & II on 13.03.2017 at about 1:45 a.m.
4.	Crocodile	1 no.	Fishery tank of S.D.B., 24-Parganas (South) Division	Sreefol of Raidighi Range	Others	Captured on 02.05.2017 at 8:35 a.m. and released at Sreefol of Raidighi Range at about 3:40 pm
5.	Leopard	01 No.	Army Cant Binnaguri	Gorumara Forest	By Trap Cage	
6.	Leopard	01 No.	Section No. 5 of Rangamati T.E.	GNP Near Chandrachur Watch Tower	Trap iron cage	
7.	Leopard	01 No.	Section No. 15 of Rangamati T.E.	Gorumara Beat	Trap iron cage	
8.	Leopard	01 No.	Section No. 2 of Rangamati T.E.	Bamni under Gorumara Beat	Trap iron cage	
9.	Leopard	01 No.	Section No. 5 of Rangamati T.E.	Gorumara Beat near Bamni Camp	Trap iron cage	
10.	Leopard	01 No.	Army Camp Near Sogachi T.E.	Chandrachur Watch Tower under Khunia Beat	Trap iron cage	
11.	Leopard	01 No.	Section No. 14 Patibari Divn. of Lees River T.E.	Bamni Chow Pathi under Gorumara Beat	Trap iron cage	
12.	Leopard	01 No.	Section No. 14 Patibari Divn. of Lees River T.E.	Melda Chow Pathi Medla-II, Compartment	Trap iron cage	
13.	Leopard	01 No.	Katham Bari Range	Melda Chow Pathi Medla-II, Compartment	Trap iron cage	
14.	Leopard	01 No.	Katham Bari Range	Melda Chow Pathi Medla-II, Compartment	Trap iron cage	
15.	Leopard	01 No.	Section No. 91 of Gurjajon T.E.	Chandrachur Watch Tower under Khunia Beat	Trap iron cage	
16.	Monkey	1 No.	Maynaguri Fire Station	Gorumara National Park	Tranquilization	
17.	Gaur	2 Nos.	Khamoler Hut, Jharmatelli, Lataguri	Gorumara National Park	Tranquilization	
18.	Gaur	1 No.	Prodhana para of Balacoba Range under BKP Divn.	STB-4 Compartment of Belacoba Range	Tranquilization	
19.	Gaur	2 Nos.	UttarJharmatelli, Lataguri	Gorumara National Park	Tranquilization	

### 11.17 Tranquilising Materials Supplied by Wildlife (HQ) to Different Divisions during 2016-17:

(1) Nadia – Murshidabad Division vide CF,WL(HQs)'s letter no. 2276/WL/2M-78/16 Dated 03.05.2016:

1. Aluminium Metal Syringe Barrel - 2 ml. X 5 nos.
2. – Do- - 3 ml x 5 nos.
3. – Do- - 5 ml. X 5 nos.
4. Rubber Piston - 10 nos.
5. Feather Stabilizer - 10 nos.
6. Needle – 16 mm (Barbed) - 06 nos. (for Langur/Monkey/Small Carnivores)
7. – Do- 5 mm. (Collared) - 5 nos. (for Elephant)
8. Syringe Charge for 1 – 5 ml. Syringe – 2 tins (@10 nos. Per tin)
9. Cartridges – Yellow - 01 tin (@20 nos. Per tin)
10. – Do- Brown - 01 tin (@20nos. Per tin).

(2) Jaldapara Wildlife Division vide CF,WL(HQs)'s letter no. 2800/WL/2M-78/15 Dated 03.06.2016:

1. Aluminium Metal Syringe Barrel – 2 ml. X 5 nos.
2. – Do- - 3 ml x 5 nos.
3. – Do- - 4 ml x 5 nos.
4. – Do- - 5 ml. X 5 nos.
5. – Do- - 7 ml x 5 nos.
6. Rubber Piston - 10 nos.
7. Feather Stabilizer - 10 nos.
8. Needle – 19 mm (Banded) - 10 nos.
9. – Do- 38 mm. (Collared) - 6 nos.
10. –Do- 45 mm. (Collared) - 5 nos.
11. – Do-51 mm. (Collared) - 5 nos.
12. – Do-63 mm. (Collared) - 5 nos.
13. Syringe Charge for 1 – 5 ml. Syringe – 5 tins (@10 nos. Per tin)
14. Syringe Charge for 7 – 10 ml. Syringe – 5 tins (@10 nos. Per tin)
15. Cartridges – Yellow - 03 tins (@20 nos. Per tin)
16. – Do- Brown - 03 tins (@20nos. Per tin)
17. – Do- White - 03 tins (@20nos. Per tin)
18. – Do- Orange - 01 tin (@20nos. Per tin).



- (3) **Burdwan Division** vide CF,WL(HQs)'s letter no. 2960/WL/2M-78/16 Dated 14.06.2016:
1. Dist-Inject Syringe Projector Gun-Mod. 60N bearing SI.No.542426 with cartridge holder, precision sight, cleaning brush, silicon grease tube, plastic syringe rod, cartridge ejector pin with plastic carry-case - 01 complete set
  2. Metal Syringe Barrel - 3 ml. x 6 nos.
  3. – Do- - 5 ml x 5 nos.
  4. – Do- - 7 ml x 5 nos.
  5. Rubber Piston - 10 nos.
  6. Feather Stabilizer - 6 nos.
  7. Needle – 45 mm. (Collared) - 3 nos.
  8. – Do-51 mm. (Collared) - 5 nos.
  9. – Do-63 mm. (Collared) - 5 nos.
  10. Syringe Charge for 1 – 5 ml. Syringe – 2 tins (@10 nos. Per tin)
  11. Syringe Charge for 7 – 10 ml. Syringe – 2 tins (@10 nos. Per tin)
  12. Cartridges – Yellow - 02 tins (@20 nos. Per tin)
  13. – Do- Brown - 01 tin (@20nos. Per tin)
  14. – Cartridges - White - 01 tin (@20nos. Per tin)
  15. Practice Needle - 02 nos.
  16. Inj-Xylazil – 100-50 ml. Vial (exp. March,2017) – 01 no.
  17. Inj-Ketamil – 50 ml vial (exp. February,2017) – 01 no.
- (4) **Bankura (North) Division** vide CF,WL(HQs)'s letter no. 3141/WL/2M-78/16 Dated 28.06.2016:
1. Rubber Piston - 10 nos.
  2. Feather Stabilizer - 6 nos.
  3. Needle – 19 mm (Barbed) - 5 nos.
  4. –Do- 45 mm. (Collared) - 5 nos.
  5. – Do-51 mm. (Collared) - 5 nos.
  6. Syringe Charge for 1 – 5 ml. Syringe – 1 Box (@10 nos. Per box)
  7. Syringe Charge for 7 – 10 ml. Syringe – 1 Box (@10 nos. Per box)
  8. Syringe Charge for 15 ml. Syringe – 1 Box (@10 nos. Per box)
  9. Cartridges – Yellow - 01 Box (@20 nos. Per box)
  10. – Do- Brown - 02 Boxes (@20nos. Per box)
  11. – Do - White - 01 Box (@20nos. Per box)
  12. – Do - Orange - 01 Box (@20nos. Per box)
  13. Inj-Xylazil – 100-50 ml. Vial (exp. March,2017) – 01 no.
  14. Inj-Ketamil – 50 ml vial (exp. February,2017) – 01 no.
- (5) **Panchet Division** vide Challan no. WB/100428/1005 Dated 29.08.2016:
1. Inj-Ketamil – 50 ml vial – 01 no.
  2. Inj-Xylazil – 100-50 ml. Vial – 01 no.
- (6) **FD,BTR** vide CF,WL(HQs)'s letter no. 358/WL/2M-78/2016 Dated 20.01.2017:
1. Rubber Piston - 20 nos.
  2. Feather Stabilizer - 15 nos.
  3. Needle – 3040H (32mm) - 5 nos.
  4. –Do- 3040J (38mm) - 5 nos.
  5. – Do- 3040K (45mm) - 5 nos.
  6. Syringe Charge for 1 – 5 ml. Syringe – 5 Boxes (@10 nos. Per box)
  7. Syringe Charge for 7 – 10 ml. Syringe – 5 Boxes (@10 nos. Per box)
  8. Cartridges – Yellow - 05 Boxes (@20 nos. Per box)
  9. – Do- Brown - 05 Boxes (@20nos. Per box)
  10. – Do - White - 05 Boxes (@20nos. Per box)
  11. Inj-Xylazil – 100-50 ml. Vial – 03 nos.
  12. Inj-Ketamil – 50 ml vial – 03 nos.
  13. Aluminium Syringe Barrel – 10 ml. x 5 nos.
  14. – Do- - 5 ml x 5 nos.
  15. – Do- - 7 ml x 5 nos.

(7) FD,STR vide CF,WL(HQs)'s letter no. 399/WL/2M-78/2016 Dated 24.01.2017:

1. Inj-Ketamil – 50 ml vial – 02 nos.
2. Inj-Xylazil – 100-50 ml. Vial – 01 no.

(8) North 24 Parganas Division vide CF,WL(HQs)'s letter no. 881/WL/2M-78/15-16 Dated 17.02.2017:

1. Rubber Piston - 10 nos.
2. Feather Stabilizer - 05 nos.
3. Needle – 3040D 19mm (Barbed) - 05 nos.
4. Syringe Charge for 1 – 5 ml. Syringe - 2 Boxes (@10 nos. Per box)
5. Plastic Syringe 3.8 ml.-pack - 5 nos.
6. Cartridges – Yellow - 01 Box (@20 nos. Per box)
7. – Do- Brown - 01 Box (@20nos. Per box)
8. Inj-Xylazil – 100-50 ml. Vial - 01 no.
9. Aluminium Syringe Barrel - 3 ml. x 5 nos.
10. – Do- - 2 ml x 5 nos.
11. Blow Dart Needle 14G 1in (Extra) - 05 nos.

F) Tranquilising Materials procured during 2016-17:

##1. Ketamil Inj. 50 ml – 14 vials were procured from Helpro Health Products & Services on 25.05.2016.

##2. The following materials were procured from Helpro Health Products & Services on 30.06.2016:

- a. Rubber Piston for Metal Syringe – 60nos.
- b. Needle for Metal Syringe NM4/45mm (Collared) – 10 nos.
- c. Feathered Stabilizer – 50 nos.

##3. The following materials were procured from Helpro Health Products & Services on 01.07.2016:

- a. Xylazil – 100 Inj. 50 ml (exp. April,2017) – 09 vials;
- b. Xylazil – 100 Inj. 50 ml (exp. January,2018) – 01 vial.

##4. The following materials were procured from Helpro Health Products & Services on 09.03.2017:

- a. Xylazil – 100 Inj. 50 ml (exp. October,2018) – 25 vials;
- b. Ketamax INJ 50mg – 10ml (exp. February,2019) – 120 vials.

##5. The following materials were procured by import from SA GENIA, France vide Department of Forests, GoWB, Order No. 237-For Dated 19.01.2017 and letter no. 237/1(6)-For/FR/O/D/8B-26/16 dated 19.01.2017 on 18.03.2017:

- a. Syringe Projector Dist-Inject Standard Rifle Mod 60N with Kit – 10 nos.
- b. Red Dot Sight - 10 nos.
- c. Precision Sight, detachable for Mod 50/60(extra) - 05 nos.
- d. Cartridge Holder for Mod 60N (Extra) - 05 nos.
- e. Cleaning Set for Mod 60N- 3 part set with case - 05 nos.
- f. Cartridge Ejection Pin - 05 nos.
- g. Yellow Cartridges (@20/ tin) - 120 nos.
- h. White Cartridges (@20 /tin) - 60 nos.
- i. Brown Cartridges (@20 /tin) - 80 nos.
- j. Red Cartridges (@20 /tin) - 10 nos.
- k. Syringe Charge for 1 – 5 ml. Syringe (@10/tin) - 250 nos.
- l. Syringe Charge for 7 – 10 ml. Syringe (@10/tin) - 200nos.
- m. Power Hand Pump with Quick Coupling - 01 no.
- n. Pneumatic Blow Pipe 45 Delta Special Equipment - 01 no.
- o. Metal Syringe Barrel 2 ml. - 100nos.
- p. Metal Syringe Barrel 3 ml. - 100nos.

q.	Metal Syringe Barrel 5 ml.	-	100nos.
r.	Metal Syringe Barrel 7 ml.	-	80 nos.
s.	Rubber Piston	-	400nos.
t.	Feathered Stabilizers	-	250nos.
u.	Needle for Metal Syringe – 19 mm (Barbed)	-	120nos.
v.	Needle for Metal Syringe – 45 mm (Collared)	-	120nos.
w.	Needle for Metal Syringe – 51 mm (Collared)	-	100nos.
x.	Needle for Metal Syringe – 63 mm (Collared)	-	30 nos.
y.	Silicon Grease Tube 12 gms.	-	20nos.

##6. The following *materials were procured* from Helpro Health Products & Services on 31.03.2017:

a.	Aluminium Barrel for Metal Syringe 10 ml.	-	40 nos.
b.	Needle for Metal Syringe NM2/32mm, Collared	-	20 nos.
c.	Needle for Metal Syringe NM3/38mm, Collared	-	20 nos.
d.	Canula Smooth for Softy/Easy/Mini with load 50mm	-	30 nos.
e.	Canula for Softy/W Smooth & load 19 mm	-	20 nos.
f.	Canula 25mm Smooth for Softy/Easy/Mini with load	-	15 nos.
g.	Mininject 2000 Syringe Body 3 ml.	-	15 nos.
h.	Mininject 2000 Syringe Body 5 ml.	-	30 nos.
i.	Woollen Stabilizer	-	40 nos.
j.	Practice Needle Syringe	-	26 nos.
k.	Rubber Piston	-	01 nos.



Preparing of Dart

Training on tranquilization

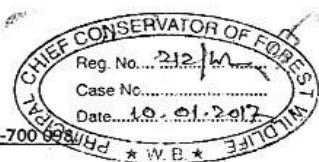




## 11.18 Order to appoint Honorary Wildlife Wardens in West Bengal -

GOVERNMENT OF WEST BENGAL  
DEPARTMENT OF FORESTS  
FOR BRANCH

ARANYA BHABAN, BLOCK-LA-10A, SECTOR-III, SALT LAKE, KOLKATA-700 098



No.4411-FR/O/11M-14/2015.

Dated, Kolkata, the 22<sup>nd</sup> December, 2016.

### RESOLUTION

- Whereas participation and support of such persons of standing, who have genuine concern for Wildlife Conservation as well as the capacity to render assistance to the official machinery for the cause is considered expedient by the Government for nature and Wildlife Conservation.
- Now, therefore, in exercise of the Power Conferred under clause (bb) of the sub-section (1) of section 4 of the Wildlife (Protection) Act 1972 read with the Wildlife (Protection) Amendment Act.2002 the governor is pleased to appoint the following persons as Honorary Wildlife Wardens for the district mentioned against their names :-

Sl.No.	Districts	Name	Address
01.	Coochbehar	Shri Niranjana Dutta	Nilkuti Rail Gumti, Coochbehar, M : 9832437918
02.	Uttar Dinajpur	Shri Bhupati Debsharma	Vill: Daria, P.O. Bhelal, P.S. Kaliyaganj, M : 9593730280
03.	Dakshin Dinajpur	Shri Akhyay Kr. Barman	Vill: Margam, P.O. Noonil, D/Dinajpur, M: 9474441926
04.	Darjeeling	Shri Milan Dutta	Mahanandapara, Siliguri, Darjeeling, M: 9832082333
05.	Darjeeling	Dr. Premdorjee Bhutia	S/o Late Nakh Sing Bhutia, Vill: Sheerpa Gaw Lava Bazar, P.O. Lava Bazar, P.S. Gorubathan, Darjeeling, Mob : 9641156789
06.	Malda	Shri Kalyan Moulik	Vill: Purolali, Sadarghat, P.O. & P.S. Enhlis Bazar, Malda-pin-732101.
07.	Bankura	Shri Rajib Ghosal	Vill & P.O. Beliatore, Bankura, M: 9614001313
08.	Bankura	Shri Mathur Kauri	Joyrampur, P.O. Chausin, P.S. Bishnupur, Dist: Bankura, Mob : 9434472520
09.	Jalpaiguri	Smt. Shima Chowdhuri (Mitra)	Birpara Road, P.O. Gayerkata, Jalpaiguri, M : 9733142103
10.	Jalpaiguri	Major Amarjit Singh Chauhan (Retd.)	Vill & P.S. Chalsa, Jalpaiguri, M: 9434045367
11.	Jalpaiguri	Shri Nirmal Roy	S/o Joges Roy, Vill- Shimulguri, P.O. Kundardighi, Jalpaiguri
12.	Jalpaiguri	Shri Argha Prasun Roy	Lataguri, Jalpaiguri, Mob : 9831765122
13.	Jalpaiguri	Shri S. Guha Thakurta, Secretary, DBITA	Dooars Branch Indian Tea association, Binnaguri, 735203, Jalpaiguri
14.	Alipurduar	Shri R.A. Sharma, Secretary, Dooars Office, Tea Association of India, North Bengal Branch	P.O. Ehelbari, Via Birpara, District : Alipurduar, Pin- 735204, Tel 03563264564
15.	Alipurduar	Shri Sabir Dhar	Dajsgub Chechakhata, Alipurduar Jn., Jalpaiguri, Pin- 736123
16.	North 24 Parganas	Shri Krishna Gopal Banerjee	2, Chandigarh Madhyagram
17.	South 24 Parganas	Shri Jayanta Naskar	M.L.A. Gosaba
18.	South 24 Parganas	Shri Sumit Kumar Sen, Bird Specialist	508 Jodhpur Park, Kolkata-700068, Mobile : 9830052123
19.	Nadia	Dr. Nilimesh Roy Chowdhury	b-7/191, Kalyani, Nadia, Pin-741235, Mob: 9830570457
20.	Murshidabad	Ratnajit Chowdhury	8 No Nilmoni Bhattacharyya Lane (Near Kalpana Cineme Hall), Lower Kadal, Berhampore, Murshidabad, Mob : 9434561561
21.	Burdwan	Shri Utpal Singha	Depo Para, P.O. Asansol, Pin-713302, Burdwan
22.	Paschim Medinipur	Shri Shrikanta Mahato	MLA, Salboni, Mon : 9647044125
23.	Purba Medinipur	Smt. Banasree Maiti	M.L.A. Contal North, M: 9434453529
24.	Purulia	Shri K.P. Singhdeo, Chairman, Purulia Municipality	Ajit Bhawan, Ranchi Road, P.O. & Dist. Purulia, Pin- 723101, Mob : 9434149991
25.	Howrah	Shri Bhaskar Bhattacharyya	18, K. Road, Belgachia, Howrah-711105-
26.	Hooghly	Shri Dilip Jadav	3, Ramsitghat, St. Doltala, Uttarpara, Hooghly
27.	Kolkata	Smt. Mala Saha	M.L.A. Kashipur-Belgachia
28.	Kolkata	Mr. Sudhir Mishra, IPS	ADG Kolkata Police, Lalbazar, Kolkata-700 001, M: 9835234171
29.	Kolkata	Smt. Suchandra Kundu	7A, Principal Khudiram Bose Road, Kolkata-700 006, Mobile No : 9830093202
30.	Kolkata	Shri Prabir Kumar Bhattacharyya	Secretary, Tea Association of India, 6 Netaji Subhas Road, Kolkata-700 001.
31.	Kolkata	Lat. Col (Retd) Sakti Ranjan Banerjee	"Teen Bari", Hatiyara Rd. Jyagra, Baguati, Kolkata-700 059, Mob : 9830105987
32.	Birbhum	Shri Bidyut Mukherjee	Vill- Chhopra, P.O. Karidhya, Suri, Birbhum, M: 9434249833
33.	Birbhum	Smt. Urmila Ganguly	Dera Purbapally, Shantinekatan, Bolpur, M: 9432887298

3. Duties and responsibilities of the Honorary Wildlife Warden shall be to assist wholeheartedly the department of Wildlife Conservation especially with regard to following matters/functions :-
  - a) Control of poaching and clandestine trade in wild animals and products/articles thereof ;
  - b) Detection and prosecution of offences under the Wildlife (Protection) Act, 1972 as amendment up-to date and the rules made there under ; read with Wildlife(Protection) Amendment Act, 2002;
  - c) Preventing damage to the habitat of wildlife ;
  - d) Identification and selection of areas suitable to be declared as sanctuaries, national parks, closed areas etc. As well as measures for their proper protection.
  - e) Measures for dealing with the problem of damage caused by Wild Animals to human life and therein property, including assessment and payment of compensation;
  - f) Carrying the message of conservation to the people and enlisting public support for nature and wildlife conservation. This effort should be specially directed towards the communities living in or near the declared wildlife reserves;
4. Powers of the Honorary Wildlife Wardens shall be as follows :-
  - a) He shall be deemed to be a public servant within the meaning of section 21 of the Indian Penal Code (45 of 1860) as per section 59 of the Wildlife (Protection) Act (53 of 1972).
  - b) He shall get protection of actions taken in good faith as per section 60 of the Act (53 of 1972).
  - c) He shall have the power of inspect records of licenses as section 47(b) of the Act(53 of 1972) read with recent amendments.  
He shall have the authority of entry, search, arrest and detention as provided under Sub-sections(1),(3),(4),(5) & (7) of Section 50 of the Act(53 of 1972).
5. The terms of appointment of the Honorary Wildlife Warden shall be for a period of one year from the date of issue of this order. However, the State Government may, at its discretion, terminate the appointment of an individual Honorary Wildlife Warden so appointed shall be Sub-ordinate to the Chief Wildlife Warden, West Bengal under sub-section (3) of section 4 of the Wildlife (Protection) Act, 1972.
6. The Wildlife Advisory Board, West Bengal shall review the functioning of the scheme of Honorary Wildlife Wardens at least once every year.
7. Actual expenses incurred by an Honorary Warden on travel by public transport for carrying out the duties assigned to him shall be reimbursed by the State Govt. In addition, all actual expenses incurred in the detection of an offence under the Wildlife (protection) Act, 1972, which leads to successful prosecution may be reimbursed after due verification.
8. This order is issued in exercise of the power conferred under clause (bb) of sub-section (I) of section 4 of the Wildlife (Protection) Act, 1972 or amended up-to-date.  
Ordered that the Resolution be published in the Kolkata Gazette and copy sent to all concerned.

By order of the Governor,

Sd/-

Chandan Sinha  
Principal Secretary  
to the Govt. of West Bengal.

No.4411/1(33)-FR.

Dated, Kolkata, the 22<sup>nd</sup> December, 2016.

Copy forwarded for information to the :-

- (1) P.S. to MIC.
- (2) Principal Chief Conservator of Forests (Wildlife) W.B. with a request to send the copies of the Resolution to the following members :-

- 1) Shri Niranjan Dutta Nilkuti Rail Gunti, Coochbehar, M : 9832437918
- 2) Shri Bhupati Debsharma  
Vill: Daria, P.O. Bhelaj, P.S. Kaliyaganj, M : 9593730280
- 3) Shri Akhyay Kr. Barman  
Vill: Margam, P.O. Noonil, D/Dinalpur, M: 9474441926
- 4) Shri Milan Dutta  
Mahanandapara, Siliguri, Darjeeling, M: 9832082333
- 5) Dr. Premdorjee Bhutia S/o Late Nakh Sing Bhutia, Vill: Sheerpa Gaw Lava Bazar, P.O. Lava Bazar, P.S. Gorubathan, Darjeeling, Mob : 9641156789
- 6) Shri Kalyan Moulik, Vill: Purotali, Sadarghat, P.O. & P.S. Enhilish Bazar, Malda <pin-732101.
- 7) Shri Rajib Ghosal Vill & P.O. Bellatore, Bankura, M: 9614001313
- 8) Shri Mathur Kauri Joyrampur, P.O. Chaumsin, P.S. Bishnupur, Dist: Bankura, Mob : 9434472520
- 9) Smt. Shima Chowdhuri (Mitra)  
Nimara Road, P.O. Gayerkata, Jalpaiguri, M : 9733142103



## 11.19 Buxa Bird Festival



**1<sup>st</sup> Annual BUXA TIGER RESERVE BIRD Festival** 6-8 January, 2017  
Bonding birds, bird lovers, enthusiasts and communities

**GO WILD BIRDING**  
Wildlife Week celebration  
2016-17, West Bengal

- Guided birdwatching
- Bird Photography, Exhibition
- Treks and tours
- Talks, Seminar & Lectures
- Film show, Slide Show ...

**Buxa Tiger Conservation Foundation Trust**  
email : fdbtrwb@gmail.com | mob : 7470196507

1<sup>st</sup> Buxa Bird Festival from 6<sup>th</sup> to 8<sup>th</sup> Jan 2017 being the unique and 1<sup>st</sup> of its kind event in this region, intended to bring together eminent ornithologists, researchers & the bird enthusiasts from across the region. This festival offered to become a part of the nature's extravaganza and witness the rich bio-diversity and wilderness of Buxa, first hand. Buxa Tiger Conservation Foundation Trust (BTCFT) took the initiative in organizing the unique event successfully.

Around 50 (fifty) Bird lovers, bird watchers, bird photographers across the state as well the nature guides of Buxa Tiger Reserve participated in the festival. Sri Dhritiman Mukherjee, Eminent Wildlife and nature photographer of our country also shared his vast experience on the subject of Bird conservation. A series of discussions, slide shows, presentations on relevant issues were organized during the show apart from field trip for bird watching. The participants along with expert and nature guides for each group were exposed to different pre-identified routes for watching birds and its habitat. The follow up discussion in each evening was meaningful and interesting. Approximately 150 species of birds have been identified and recorded by the participants of 1<sup>st</sup> Buxa Bird Festival. Dr R P Saini, IFS, APCCF WL inaugurated the 1<sup>st</sup> Buxa Bird Festival at Rajabhatkhawa on 6<sup>th</sup> Jan'2017.



Considering the grand success of the festival it was also decided that the 2<sup>nd</sup> Annual Buxa Bird Festival will be held next year at Buxaduar Range under Buxa Tiger Reserve (East) Division.



### 11.20 E-Patrolling / Smart Patrolling:

This system is usage of specially designed application for generating e-data of patrolling in forests. The system is technological addition to written reports of patrolling by way of instant report and visual supervision over the staff patrolling going on inside the forests with use of advanced satellite technology. E-Patrolling/Smart Patrolling was introduced in Sundarban Tiger Reserve in 2015 and later on in Buxa Tiger Reserve in the year 2016 and very recently in the forests of Wildlife (North) Circle.

In this new system every Beat/Camp has been given a Mobile Phone having an Android Operating System with a compatible Mobile Application called 'Hejje' (Programmed in Java) installed in it for monitoring and patrolling purpose. The frontline staffs record their every activity like patrolling, monitoring the condition of fences, night patrolling, offence detections and wildlife sightings with the help of this application and the same can be viewed/supervised from the Range/Divisional Headquarters.

### 11.21 Public Awareness Campaign on Human-Elephant Conflict Mitigation

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



Bankura District as well as Medinipur and Rupnarayan Divisions of Paschim Medinipur District.

A tableau was made with different posters and flex awaring common people about handling the elephant depredation situations. There was also miking by public address system as well as short length film/documentary show at different strategic locations of the villages making people aware about the situations of elephant depredation and informing them dos/don'ts in those situations. This awareness campaign continued from December, 2016 to March, 2017.

## 11.22 Radio Collaring of a Tigress

A rescued Sundarban Tigress was Radio – Collared and released in the compartment Ajmalmari – 10 of South 24 Parganas Division on 25<sup>th</sup> January, 2017. The tigress strayed at Deulbari of PS-Kultali and was captured there.

It was then kept for treatment and observation at Sundarbans Wild Animals Park, Jharkhali.

The Tigress was released in the nature after finding it fit for hunting in the wild.

The Radio-Collaring exercise was done by officers of Directorate of Forests, Govt. of West Bengal in collaboration with Wildlife Institute of India, Dehradun. After release, the Tigress's movement was observed through the frequency sent by the Satellite Radio Collar tied with her neck.





### 11.23 Refresher Course and Training on Wildlife Management for Frontline Staff of Wildlife Circle

During the month of March, 2017 a Refresher Course and Training was organised by Wildlife Wing, West Bengal for the Permanent Daily Labourers, the frontline Staffs of Wildlife Circle on Wildlife Management at the Nature Interpretation Centre, Rajabhatkhawa.

The Course was organised in three phases from 06.03.2017 to 11.03.2017, then from 13.03.2017 to 18.03.2017 and finally from 20.03.2017 to 25.03.2017.

The Course covered the following subject matters in the form of Lectures and Field Visits with hands-on Training on the given Subject.

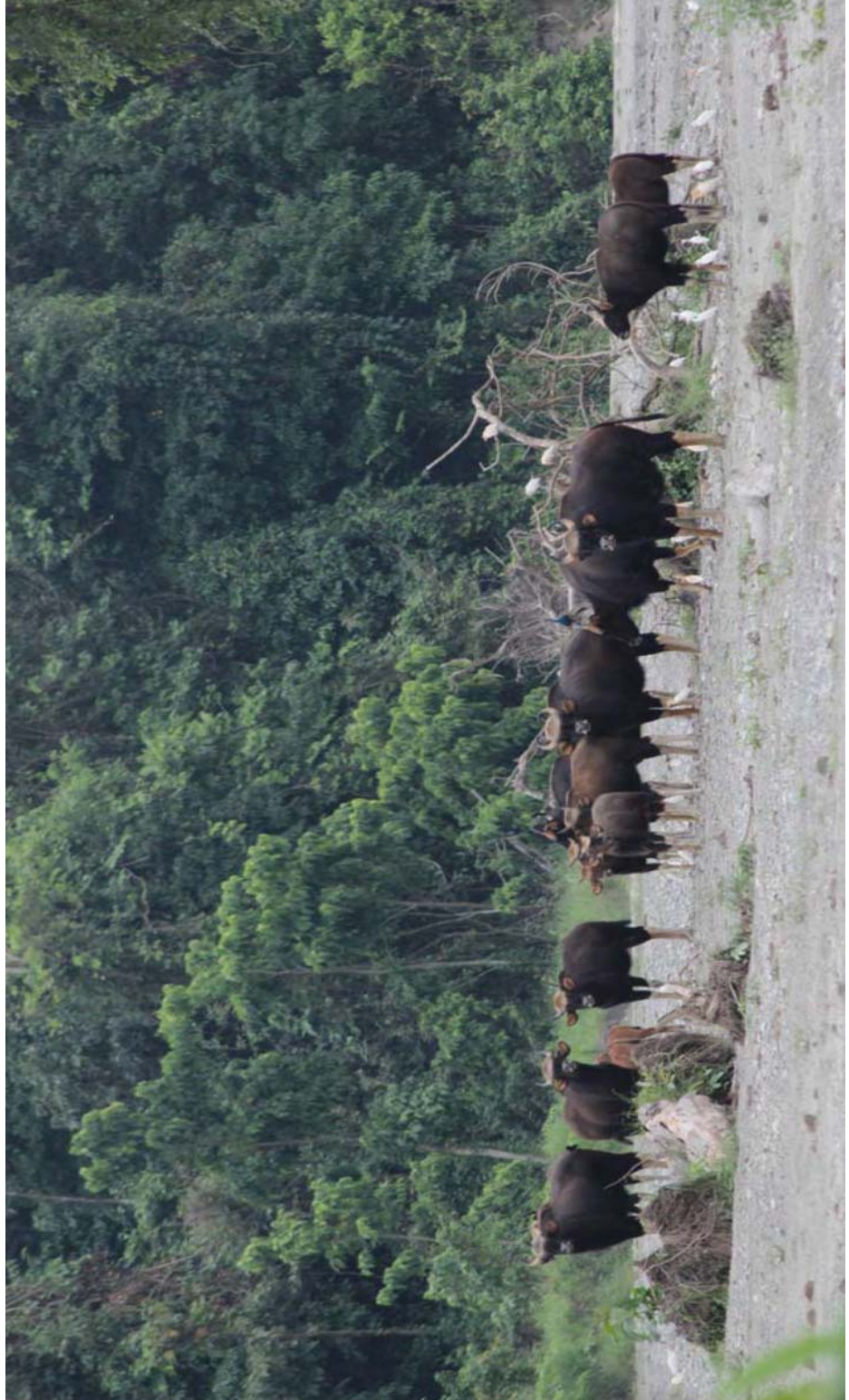
- (1) Habitat Management
- (2) Concept of JFM and People's Participation
- (3) Man Animal Conflict and Resolution Strategies
- (4) Plantation Techniques
- (5) Forest Protection
- (6) Wildlife Management
- (7) Census Techniques
- (8) Habitat Management in Gorumara National Park
- (9) Forest Law and Intelligence Gathering
- (10) Camera Trapping
- (11) Field Visit to Rajabhatkhawa, Jayanti, Gorumara National Park, Jaldapara National Park
- (12) Wildlife Protection Act
- (13) Camera Trapping

Thirty PDLs had participated in this Training Course. There were Twenty participants from Buxa Tiger Reserve (West) Division and Ten participants from Buxa Tiger Reserve (East) Division. (P10)





## 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-2 Officer and Staff position in different Circle under Wildlife Wing as on 31.03.2017

[illegible]

Annexure-2 Officer and Staff position in different Circle under Wildlife Wing as on 31.03.2017

Sl No	Post	Wildlife (Hq)				BTR								CCF, WL (N) & CF, WL(N/C)												Sundarban Biosphere Reserve												Wt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Wildlife (Hq)				BTR(W)				FD/BTR				Gorumara WLD				Jaldapara WLD				Darjeeling WLD				Wildlife Circle				Sundarban Tiger				24-Pgs(S) Divn					24-Pgs(N) Divn				Director, SBR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Annexure-2 Officer and Staff position in different Circle under Wildlife Wing as on 31.03.2017

Sl No	Post	Wildlife Wing	
		Existing	Vacant
48	Udyansramik	2	2
49	Masalchi	0	1
50	Jamadar	0	0
51	Karmabandhu	2	0
52	Karnasathi	0	2
53	Banasramik	397	0
54	Banamajdoor/ Forest Majdoor	10	5
55	Attached officer	0	0
56	Veterinary officer	0	0
57	Cashub	1	1
58	Game watcher (may be shifted)	0	1
Total		1424	813



**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-Sajnekhal
2006	2	4	6	395	Sundarikhati
2007	2	4	6	401	Sundarikhati khal in Ajmalmari-7 Reserved Forest Block
2008	-	-	-	-	-
2009	12	8	20	421	Chulkati-I
2010	-	-	-	-	-
2011	19	1	20	441	Chulkati-I
2012	-	-	-	-	-
2013	28	22	50	491	Chulkati-1 & Dhulibasani
2014	6	35	41	532	Ajmalmari-9, 10, STR
2015	4	25	29	561	Lakshmir Khal, between Ajmalmari 9 & 10
2016	3	17	20	581	Sajnekhal, Sundarban Wild Animal Park (Jharkhali)

## Annexure-4

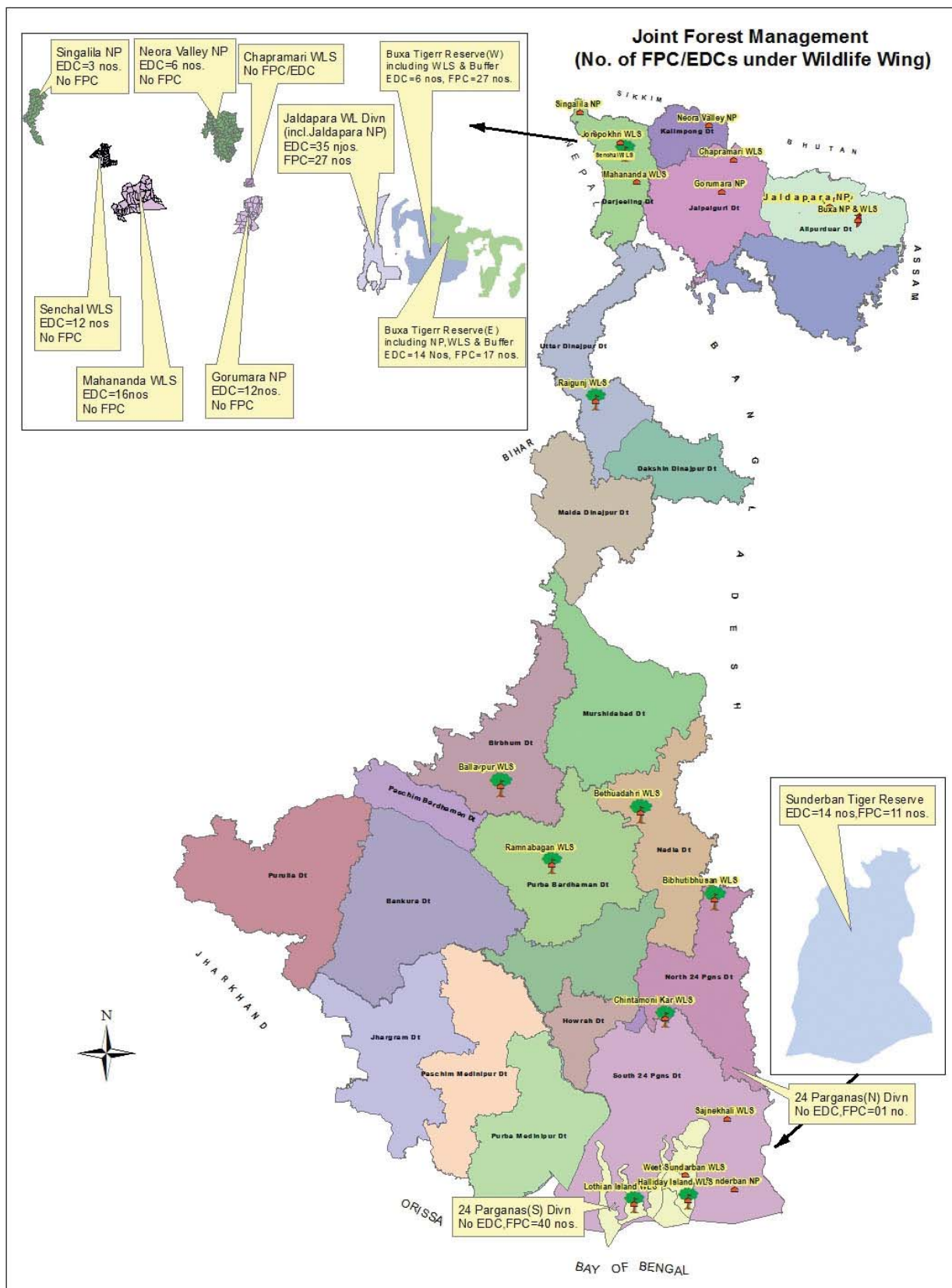
### Joint Forest Management

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

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

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

Darjeeling Wildlife Division = 18 Nos. (All Women SHG)  
 Gorumara Wildlife Division = 14 Nos. (All Women SHG)  
 Jaldapara Wildlife Division = 148 Nos. (All Women SHG)  
 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 = 143 Nos. (All Women SHG)





## Annexure-5

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

Name of the Division	No. of Vehicle	No. of Wireless Sets	No. of Firearms
Wildlife Wing (Headquarters)	Maruti Artiga-1 Ambassador-1 TATA Indigo-1 Maruti Gypsy-1 TATA 207-2 TATA Xenom-3 Total-9	NIL	DBBL Gun-1 .315 Rifle-1 0.22 Rifle-1 Pump Action Gun-10 Total-13
Darjeeling Wildlife Division	Mahindra Scorpio-1 Maruti Zypsy-1 Mahindra Jeep-6 Maruti Van-1 TATA 407-1 TATA DI-207-1 TATA Spacio-1 Bolero-1 Motor Cycle-6 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-54 Pump Action Gun-7 0.315 Rifle-14 As Bore SBBL Gun-5 0.22 Rifle-4 Total-84
Gorumara Wildlife Division	TATA DI-207-1, Bolero Camper-3, Motor Cycle-6, Mahindra Jeep-1, Bolero-6, Maruti Zypsy-1, Mahindra Scorpio-1 Total-19	Fixed Station (Short Wave-19)-19, Walkie Talkie (Short Wave-17)-17	DBBL Gun-41 SBBL Gun-2 Pump Action Gun-8 0.315 Rifle-13 Tranquillising Gun-4 Total-68
Jaldapara Wildlife Division	Deptt. Jeep-2, Bolero Pick-up Van (Hired)-1, Mahindra Max-2, Tata Xenon Pick Up Van-1, Mahindra Tourister-1, Bolero-4, Bolero Campa- 2, Pick Up Van (seized)-1, Hired Vehicle-1, Mahindra Jeep-1, Tractor- 1, Motor Cycle-2, Truck-1, Qualis-1, Gypsy-3, Scorpio-1 Total-25	Fixed Station (Short Wave-43, Long Wave-26)-69, Mobile Station (Long Wave-2), Walkie Talkie (Short Wave-38, Long Wave-15, Mobile-31)-84	DBBL Gun-83 Rifle-43 SBBL Gun-24 Pump Action Gun-12 Dart Gun-1 Total-163
Buxa Tiger Reserve (West)	Bolero-6 (hired); Scorpio-1; Gypsy-3; Bolero Campa-1; TATA Sumo-1; TATA 407-1; Mahindra-1; Pickup Van-1; Motor Cycle-13 Total-28	Fixed Station (Long Wave) - 36 Mobile Station-5 Walkie Talkie-21	DBBL Gun-52 SBBL Gun-1 Rifle-10 Pump Action Gun-5 Total-68
Buxa Tiger Reserve (East)	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-56, Long Wave-10)-66, Mobile Station (Long Wave-1)-1, Walkie Talkie (Short Wave-67, Long Wave-6)-73, Mobiles-29	Rifle-70 Air Rifle-8 DBBL Gun-35 SBBL Gun-2 Pump Action Gun-8 Total-123
24-Parganas (South)	Tata Sumo-1 Gypsy-1 Mahindra Bolero-1 TATA Xenon-1 Total-4	Fixed Station (Long Wave-26), Mobile Station (Long Wave-3), Walkie Talkie (Long Wave-15)-42	Rifle-35 DBBL Gun-18 SBBL Gun-15 Total-68

# Annexure-6 List of Departmental Elephants as on 31.03.2017

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred / Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL / CDL)	Name of Patwala (Pmt/DL / CDL)
1	00064DB8C34	URMILA	36 yrs.	Purchased	NK	NK	Sonepur Melan on 06.11.87	Female	NK	NK	Ghoramara	Buxa Tiger Reserve (East)	Patrolling	Sri Anil Karjee, CDL	Bel Bh. Chhetri, DL
2	00064DB89F5	CHAMPADENI	58 yrs.	Seized	NK	NK	Seized from Rocky Circus, Samuktala on 16.03.03	Female	NK	NK	South Rydzak	Buxa Tiger Reserve (East)	Retired from service	Krishan Kanta Barmen	Jaakim Lakra, PDL
3	00064DB8659	CHANDRIMA	13 yrs.	Captive Bred	30.05.2001	Marakata	NA	Female	Champaani	Wild	Jainiy	Buxa Tiger Reserve (East)	Patrolling	Nani Gopal Barmen, PDL	Diriraj Barmen, DL
4	0006477931	CHAMPARANI	51 yrs.	Purchased	NK	NK	Sonepur Melan on Nov. 91	Female	NK	NK	Chupra	Buxa Tiger Reserve (East)	Patrolling	Nikhil Barmen, Pmt.	Bijoy Rai, PDL
5	00064DBD55	SUMAN	21 Yrs.	Captive Bred	07.11.1993	Jaldapara	NA	Male	Sundarmoni	Wild	South Rydzak	Buxa Tiger Reserve (East)	Patrolling	Swapan Oraon, CDL	Haura Oraon, CDL
6	00064DB83E	NOWAI	23 yrs.	Captured	NK	NK	Ranjan forest Beat (East Midnapore Div.) found abandoned & injured, left by elephant herd of Dalma on 27.12.94	Male	NK	NK	Chicko Beat under East Damarpur Range	Buxa Tiger Reserve (West)	Patrolling	Subhash Rava, PDL	Sanjay Narjinary, PDL
7	00064DC8B9	SURYA	26 Yrs.	Captured	NK	NK	Captured from Sonamukhi Range (Bankura).	Male	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Fardul Haque, CDL	Dilip Barmen, DL
8	00064DB88F	MOTIRANI	18 Yrs.	Captive Bred	28.08.2000	Holong Range, Jaldapara Wildlife Division	NA	Female	MURTIRANI	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Suboth Oraon, CDL	Selim Oraon, DL
9	00064DB642	RAMI	17 Yrs.	Captured	NK	NK	Captured from Chandralek Range, West Midnapur.	Female	Wild	Wild	Budhram Beat	Gorumara Wildlife Division	Patrolling	Prakash Kharia, CDL	Nirmal Oraon, DL
10	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	Dhupphora Beat	Gorumara Wildlife Division	Rest	Dinabandhu Roy, BS	Apan Roy, DL
11		BARSAN	6 Yrs.	Captive Bred	03.09.2010	Dhupphora Palkhara	NA	Female	AMIAN	SURYA	Gorumara Beat	Gorumara Wildlife Division	Patrolling	Nimal Chandra Deb, DL	Prakash Roy, CDL
12	00064DBF27	TISTA	14 Yrs.	Rescued	NK	NK	Rescued from Gajoldoba, Tista riverbed.	Female	Wild	Wild	Dhupphora Beat	Gorumara Wildlife Division	Patrolling	Mr. Rejak Ali, CDL	Tajful Haque, CDL
13	000647C4E	KRANRAJ	19 Yrs.	Captive Bred	13.01.1998	Holong Palkhara	NA	Male	MURTIRANI	Wild	Budhram Beat	Gorumara Wildlife Division	Patrolling	Sanjay Sha, CDL	Dhaniram Oraon, DL
14		BASANTA	3 Yrs.	Captured	NK	Gorumara Beat	From Kilkot TG, Sec. No.8	Male	Wild	Wild	Gorumara Beat	Gorumara Wildlife Division		Apan Roy, CDL	

# Annexure-6 List of Departmental Elephants as on 31.03.2017

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred / Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patawalla (Pmt/DL/CDL)
15		BHOJANATH	14 Yrs.	Seized	NK	NK	From Tista Check post	Male	Wild	Wild	Gonumara Beat	Gonumara Wildlife Division	Patrolling	Saish Roy, CDL	Dulal Roy, DL
16	00064DF0C9	MEGHJAL	63 Yrs.	Captured	NK	NK		Male	NA	NA	Budhura Beat	Gonumara Wildlife Division	Rest	Tenu Kawai, CDL	
17		DIANA	10 Yrs.	Rescued			Rescued from Diana river	Female	Wild	Wild	Gonumara Beat	Gonumara Wildlife Division	Patrolling	Puspa Roy, DL	
18	00064DA911	FULMOTI	19 Yrs.	Seized	NK	NK	Seized from Tista Check Post on 15.12.02	Female	Wild	Wild	Budhura Beat	Gonumara Wildlife Division	Patrolling	Jugunu Oraon, CDL	Sulu Roy, CDL
19		RAJA	6 Yrs.	Rescued	NK	Wild	Rescued from Jhargram	Male	Wild	Wild	Druphura Beat	Gonumara Wildlife Division	Patrolling	Bimal Bhujel, CDL	
20	00064DB541	CHAMPA	42 Yrs.	Seized			From Sonali Circus	Female	Wild	Wild	Druphura Beat	Gonumara Wildlife Division	Patrolling	Loginder Shaw, CDL	Jaharal Oraon, DL
21		ARANYA	13 Yrs.	Captured	NK	NK	Captured	Male	Wild	Wild	Gonumara Beat	Gonumara Wildlife Division	Patrolling	Babul Roy, DL	Ajun Oraon, DL
22		New Elephant		Captured	NK	NK	Captured from Kalakhaawa, Laaguri	Female	Wild	Wild	Tontu Camp	Gonumara Wildlife Division	Training	Jogesh Roy, CDL	Kawsir Alam, DL
23	00064DB560	HILLARY	17 Yrs.	Captured	NK	NK	Captured from Hillejhora Forest Compartment of Jalpaiguri Dvn.	Female	Wild	Wild	Tontu Camp	Gonumara Wildlife Division	Patrolling	Sanjit Roy, CDL	Dipak Roy, DL
24	000647BE59	CHANDAN	15 Yrs.	Captive Bred	11.01.2001	Holong Phikhana	NA	Male	CAMPAKALI	Wild Makna	Tontu Camp	Gonumara Wildlife Division	Patrolling	Sanichanya Oraon, DL	Haimohan Oraon, DL
25		SHRAVANI						Female							
26	00064D6805	MENOKA	47 Yrs.	Purchased	Age approx. 25 years when purchased	NK	Purchased from Sonpur Mea on 1994	Female	NK	NK	Kodabasti	Jaldapara Wildlife Division	Patrolling	Maresh Baraik, BS	Sahendra Saba, PDL
27	Transponder not embeded	TISTA	7 Yrs.	Rescued	Age approx. 2 months when rescued	Wild	Rescued from Belacobra range, BKP Dvn; received from Gonumara WL Div. on 20.09.2009	Female	Wild	Wild	Kodabasti	Jaldapara Wildlife Division	Patrolling	Jahangir Haque, PDL	Narsing Rava, PDL
28	Transponder not embeded	SHARUL	13 Yrs.	Captive Bred	12.04.2003	Jaldapara	NA	Male, Makna	Sakuntala	Wild	Kodabasti	Jaldapara Wildlife Division	Patrolling	Kamal Rava, PDL	Pura Kharia, PDL
29	00064D7E62	NARGAHADUR	20 Yrs.					Male			JPE Range	Jaldapara Wildlife Division			
30	Transponder not embeded	SHANKARI	6 Yrs.	Captive Bred	09.12.2009	Jaldapara	NA	Female	Sundari	Wild	Kodabasti	Jaldapara Wildlife Division	Patrolling	Dulal Rava, PDL	Subhas Kharia, PDL
31	0006485C6B	BHARAT	22 Yrs.	Captive Bred	29.08.1994	Jaldapara	NA	Male Makna	Shakuntala	Wild	Kodabasti	Jaldapara Wildlife Division	Patrolling	Narayan Rava, PDL	Dilip Oraon, PDL
32	000647E20E	SUNDARI	18 Yrs.	Captive Bred	30.04.1998	Jaldapara	NA	Female	Sundarmoni	Wild	Kodabasti	Jaldapara Wildlife Division	Patrolling	Pawan Rava, BS	Kiran Oraon, PDL



# Annexure-6 List of Departmental Elephants as on 31.03.2017

Sl. No.	Identification Transponder ID	Name of Elephant	Age (approx.)	Source/ Origin (Captive bred / Captured / Purchased / Rescued / Seized / Other Sources)	Date of Birth	Place of Birth	Rescued or purchased or captured from	Sex	Name of Mother	Name of Father	Present location & Range	Division	Present use	Name of Mahut with designation (Pmi/DL/CDL)	Name of Patawalla (Pmi/DL/CDL)
33	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	Jadapara Wildlife Division	Patrolling	Budhu Kharia, PDL	Rani Oraon, PDL
34	Transponder not embedded	ANARKALI	5 Yrs.	Captive Bred	08.03.2011	Jadapara	NA	Female	Champakali	Wild	Kodalbasti	Jadapara Wildlife Division	Patrolling	Kajal Biswas, DL	Sunil Oraon, DL
35		MANITAJ	25 Yrs.					Female			JPE Range	Jadapara Wildlife Division			
36	Transponder not embedded	LALITA	11 Yrs.	Captive Bred	21.05.2005	Hollong	NA	Female	Laxmi	Wild	JPW Range	Jadapara Wildlife Division			
37	Transponder not embedded	MATANGINI	9 Yrs.	Captive Bred	31.10.2007	Jadapara	NA	Female	Muktirani	Wild	JPE Range	Jadapara Wildlife Division			
38	Transponder not embedded	DIGAMBAR	14 Yrs.	Captive Bred	13.06.2002	South Rydak	NA	Male Tusker	Promila	Wild	JPE Range	Jadapara Wildlife Division			
39	00064D6C05	JENNY	19 Yrs.	Rescued	Age approx. 10 months when rescued	Wild	Rescued from Barabari T.E on 07.07.1996	Female	Wild	Wild	JPE Range	Jadapara Wildlife Division			
40	000647CCF4	JONAKI	46 Yrs.					Female			JPE Range	Jadapara Wildlife Division			
41	00064DC8EA	TARZAN	20 Yrs.	Rescued	Age approx. 1 year when rescued	Wild	Rescued from Belakoba Range on 06.9.1996	Male, Tusker	Wild	Wild	JPE Range	Jadapara Wildlife Division			
42	Transponder not embedded	KUNTAL	9 Yrs.	Captive Bred	04.09.2006	Jadapara	NA	Male, Makra	Kuntalini	Wild	Kodalbasti	Jadapara Wildlife Division	Patrolling	Ratan Singh Bhagat, PDL	Lailu Ekka, PDL
43	Transponder not embedded	URMI	6 Yrs.	Rescued	Age approx. 12 months when rescued	Wild	Rescued from Tarabari, reya basti (16 FAD) Bagdogra range, Kurseong Div. on 10.01.2010	Female	Wild	Wild	JPE Range	Jadapara Wildlife Division			
44	00064DABFO	CHANCHAL	18 Yrs.	Captive Bred	25.09.1998	NK	NA	Male	Champanani	Male, Tusker	JPE Range	Jadapara Wildlife Division			
45	00064DA505	ANUSHUA	41 Yrs.	Captive Bred	31.12.1975	Jadapara	NA	Female	Matangini	Wild	JPE Range	Jadapara Wildlife Division			
46		LALU PRASAD	2 Yrs.	Captive Bred	17.07.2014	Jadapara		Male			CTTL Hollong	Jadapara Wildlife Division		Nabul Haque, DL	
47	Transponder not embedded	BALARAM	4 Yrs.	Rescued	Age approx. 15 days when rescued	Wild	Rescued from Bagli village, Mahla Range, Purulia Division on 30.11.2011; came to JP on 02.12.2011	Male	Wild	Wild	Chilapata	Jadapara Wildlife Division	Training	Jatin Roy, PDL	Manu Berman
48	Transponder not embedded	SUJATA	10 Yrs.	Captive Bred	12.12.2005	Malangi	NA	Female	Sundamoni	Wild	Mendabari	Jadapara Wildlife Division	Patrolling	Manik Das, CDL	Sanjay Murda, DL

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49	Transponder not embedded	RAMU	7 Yrs. .	Rescued	Age approx. 2 years when rescued	Wild	Rescued from Titu - 4 Comp. NP Range WL - III Div. on 23.12.2010;	Male, Makna	Wild	Wild	Mendabari	Jadapara Wildlife Division	Training	Sheron Subba, DL	Mantu Baman, DL
50	Transponder not embedded	SOURAV	8 Yrs.	Captive Bred	05.11.2008	Jadapara	NA	Male	Sundamani	NK	Chilapata	Jadapara Wildlife Division	Patrolling	Dhananjay Subba, DL	Bhod Gowala, DL
51	Transponder not embedded	SALEE	9 Yrs.	Rescued	Age approx. 2 months when rescued	Wild	Rescued from Sali T.G. on 23.11.2007	Female	Wild	Wild	Chilapata	Jadapara Wildlife Division	Patrolling	Ajit Narjinary, CDL	Gopal Tamang, DL
52	Transponder not embedded	DARSHAN	6 Yrs.	Captive Bred	13.12.2010	Jadapara	NA	Male	Phyodarshini	Wild Makna	JPN Range	Jadapara Wildlife Division		Dind Oraon, PDL	
53	Transponder not embedded	ROHINI	8 Yrs.	Rescued	Age approx. 1.5 years when rescued	Wild	Rescued from Rohini T.G. WL - I Div. on 14. 08.2008	Female	Wild	Wild	JPN Range	Jadapara Wildlife Division		Juel Kharia, DL	Rajesh Karjee, DL
54	Transponder not embedded	SRIKANTA	11 Yrs.	Captive Bred	13.12.2005	Jadapara	NA	Male, Tuskar	See	Wild	JPN Range	Jadapara Wildlife Division		Anukul Roy, PDL	Prasenjit Roy, PDL
55	00064DB288	MAINAK	22 Yrs.	Captive Bred	13.11.1994	Hollong	NA	Male, Makna	Menoka	Wild	JPN Range	Jadapara Wildlife Division			
56	Transponder not embedded	RANGALAL	6 Yrs.	Captive Bred	22.12.2010	Jadapara	NA	Male	Rangini	Wild	JPN Range	Jadapara Wildlife Division			
57	0006478820	RUDRAPRASAD	18 Yrs.	Captive Bred	08.03.1997	Hollong	NA	Male, Tuskar	Madhumala	Wild	JPN Range	Jadapara Wildlife Division			
58	00064DA06A	MOTILAL	16 Yrs.	Captive Bred	13.10.2000	Hollong	NA	Male, Makna	Menoka	Wild	JPN Range	Jadapara Wildlife Division			
59	00064D9C51	CHIPRANI	54 Yrs.	Captured	Age approx. 25 years when captured	Wild	Captured from Chitpra Forest, BTR on 20.11.1987	Female	Wild	Wild	JPN Range	Jadapara Wildlife Division			
60	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	Jadapara Wildlife Division	Tourism	Rebi Karjee, Mahut	Satan Karjee, DL
61	Transponder not embedded	JOY	6 Yrs.	Captive Bred	04.11.2010	Jadapara	NA	Male	Jerney	Wild	JPN Range	Jadapara Wildlife Division			
62		ERAKHI	3 Yrs.			Jadapara	NA	Female			JPN Range	Jadapara Wildlife Division			
63	00064D8D55	SUNDARMONI	43 Yrs.	Captive Bred	10.11.1973	Jadapara	NA	Female	Gajmoli	Wild	JPN Range	Jadapara Wildlife Division			
64	00064D6240	MUKTIRANI	32 Yrs.	Captive Bred	05.10.1984	Jadapara	NA	Female	Singheshwari	Wild	JPN Range	Jadapara Wildlife Division	Presently posted to Bankura		
65	0006485B07	DEBJANI	40 Yrs.	Other Source	1976	NK	Brought from Alipura Zoo on 18.01.1998	Female	NK	NK	JPN Range	Jadapara Wildlife Division			
66	Transponder not embedded	MADHURI	11 Yrs.	Captive Bred	26.06.2005	Jadapara	NA	Female	Menoka	Wild	JPN Range	Jadapara Wildlife Division			
67		SABATRI						Female			JPN Range	Jadapara Wildlife Division			

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68	00064D87BB	SUNDAR	14 Yrs.	Captive Bred	04.03.2002	Sissamara	NA	Male, Makra	Sundarmoni	Wild	JPW Range	Jadapara Wildlife Division			
69		FULWANTI	22 Yrs.					Female			JPW Range	Jadapara Wildlife Division			
70	0006478575	CHAMPAKALI	54 Yrs.	Purchased	Age approx. 20 yrs when purchased	NK	Purchased from Singhaswari mela (Saharsa) on 18.02.1982	Female	NK	NK	CTTL Holong	Jadapara Wildlife Division	Tourism	Rabi Biswasarma, PDL	Sura Kharia, DL
71	00064DC240	PRIYADARSINI	27 Yrs.	Captive Bred	25.12.1989	Hollong	NA	Female	Champarani	Wild	CTTL Holong	Jadapara Wildlife Division	Tourism	Ratila Oraon, PDL	Biplab Sutradhar, DL
72	00064D710C	MINAKSHI	25 Yrs.	Captive Bred	11.11.1991	Jadapara	NA	Female	Shree	Wild	CTTL Holong	Jadapara Wildlife Division	Tourism	Kato Kharia, BS	Faruk Islam, PDL
73	00064DC133	LAXMAN	16 Yrs.	Captive Bred	04.12.2000	Hollong	NA	Male, Tuskar	Laxmi	Wild	JPW Range	Jadapara Wildlife Division			
74	00064DA999	AMRAPALI	17 Yrs.	Captive Bred	02.01.1999	Jadapara	NA	Female	Champakali	Wild	JPE Range	Jadapara Wildlife Division			
75	00064D8A43	DIANA	21 Yrs.	Captive Bred	31.03.1996	Hollong		Female	Wild		Banta Beat	Jadapara Wildlife Division	Perolling	Ranlal Oraon, PDL	Binod Oraon, PDL
76	00064DF8CE	RANGINI	25 Yrs.	Captive Bred	28.01.1981	Jadapara	NA	Female	Matangini	Wild	JPN Range	Jadapara Wildlife Division		Sujit Biswasarma, PDL	Fku Oraon, DL
77	Transponder not embedded	PRITHWIRAJ	13 Yrs.	Captive Bred	28.02.2003	50 ft. beat	NA	Male, Makna	Phiyadarsini	Wild	JPN Range	Jadapara Wildlife Division	Presently posted to Bankura	Anil Soren, DL	Ramesh Kharia, DL
78	Transponder not embedded	GAURI	2 Yrs.	Captive Bred	14.02.2015	Jadapara		Female	Phiyadarsini	Wild Makna	CTTL Holong	Jadapara Wildlife Division		Pradhan Oraon, DL	
79	Transponder not embedded	RANBR	3 Yrs.	Captive Bred	06.07.2014	Jadapara		Male			CTTL Holong	Jadapara Wildlife Division		Anal, Oraon, DL	
80	Transponder not embedded	ANUSRI	2 Yrs.	Captive Bred	25.08.2015	Jadapara		Female			CTTL Holong	Jadapara Wildlife Division		Manu Oraon, DL	
81	Transponder not embedded	SRIMANTA	14 Yrs.	Captive Bred	05.09.2002	Sissamara	NA	Male, Tuskar	Shree	Wild	JPN Range	Jadapara Wildlife Division		Lakhindra Rava, PDL	Indrajit Chetri, PDL
82	Transponder not embedded	CHAITI	10 Yrs.	Captive Bred	31.03.2006	Jadapara	NA	Female	Champakali	Wild	JPN Range	Jadapara Wildlife Division		Ranjit Karjee, PDL	Kantik Nayek, DL
83	Transponder not embedded	MUKTARAJA	5 Yrs.	Captive Bred	30.08.2011	Jadapara	NA	Male	Mukitani	Wild Tuskar	JPN Range	Jadapara Wildlife Division		Sushel Lakra, DL	
84	00064DBD63	KARNO	15 Yrs.	Captive Bred	14.10.2001	Jadapara	NA	Male, Makna	Kuntalini	Wild	JPN Range	Jadapara Wildlife Division		Anil Roy, PDL	Anashu Kharia, DL
85	Transponder not embedded	RASARAJ	11 Yrs.	Captive Bred	27.03.2005	Jadapara	NA	Male, Makna	Rangini	Wild	JPN Range	Jadapara Wildlife Division		Chandrey Prohnan, PDL	Pradip Sharma, DL
86	Transponder not embedded	MITALI	10 Yrs.	Captive Bred	22.08.2006		NA	Female	Minakshi	Wild	JPN Range	Jadapara Wildlife Division		Chandrey Majhi, PDL	Anil Oraon, DL
87	00064D7B93	MADHUMALA	67 Yrs.	Purchased	Age approx. 24 yrs at the time of purchase	NK	Purchased from Sorpur mela on 1979	Female	NK	NK	CTTL Holong	Jadapara Wildlife Division	Tourism	Mr. Anul Haque, PDL	Budhu Kharia, PDL
88	00064DC32B	SHARMILA	64 Yrs.	Purchased	Age approx. 35 years when purchased	NK	Purchased from Sorpur Mela on 06.11.1987	Female	NK	NK	JPW Range	Jadapara Wildlife Division			
89		BUDHADEB	7 Yrs.					Male			JPN Range	Jadapara Wildlife Division			



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90	00064DF8CF	SAMBHU	26 Yrs.	Captive Bred	20.10.1993	Panbari (BTR)	NA	Male, Tusker	Shanti	Wild	Basudevpur Bishnupur Range	Panchet Division	Driving	1) Jugnu Oraon, 2) Durga Oraon	1) Sulu Oraon, 2) Bsu Oraon
91	000647D81C	SHILABOTI	35 Yrs.	Captured	NK	NK	Captured from Lalgarh forest, Midnapur on 17.09.95	Female	Wild	Wild	Basudevpur Bishnupur Range	Panchet Division	Driving	Ramesh Oraon	Apu Roy
92	00064EF116	KABERI	24 Yrs.	Captured	NK	NK	Captured from Bhuluk Kunia forest, Dhadka Beat, Midnapur on 27.11.1996	Female	Wild	Wild	Basudevpur Bishnupur Range	Panchet Division	Driving	Dinabandhu Barman	Apon Roy
93		PHALGUNI	2 Yrs.	Rescued	NK	NK	Rescued from Shila Beat, Barjora Range, Bankura (North) Div.	Male	Wild	Wild		Under medical treatment at Jungle Mahal Zoological Park, Jhargam Division			

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

Sl. No.	Identification Transponder ID	Name of Elephant	Age Date of Birth Place of Birth	Sex	Dimension & Description*	Name of Mother	Name of Father	Source/ Origin**	Present location & Range	Present use	Any other relevant informations / ownership certificate No.	Name of Mahut with designation (Pmt/DJ/CDL)	Name of Patwalla (Pmt/DL /CDL)	Remarks
M/S Olympic Circus														
1	00064EGC75	Mala	42 yrs. NK NK	Female	HL:2.20 mt. FL:1.08 mt.	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
2	00064DE07C	Champa	38 yrs. NK NK	Female	HL:2.16 mt. FL:1.08 mt.	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
3	00064DBD5D	Sabitri	39 yrs. NK NK	Female	HL:2.21 mt. FL:1.10 mt.	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
4	00064D63EE	Chanchal	41 yrs. NK NK	Female	HL:2.25 mt. FL:1.05 mt.	NK	NK	Purchased from Sonepur Mela	M/S Olympic Circus, 48, R.N.Tagore Rd, P.O.Dakshineswar, Kol-76	Performance in Circus shows	30/1 dt. 30.01.03	Sheikh Kiamuddin		
M/S AJANTA Circus														
5	00064ED07F	Padma	41 yrs. NK NK	Female	HL:2.46 mt. FL:1.22 mt.	NK	NK	Purchased from Sonepur Mela	M/S Ajanta Circus, 89/3, Ripon Street (Muzaffar Ahmed St), Kol-16	Performance in Circus shows	CWL/WMP/1081 dt. 26.12.00	Sheikh Nasiruddin		
6	00064EB386	Laxmi	46 yrs. NK NK	Female	HL:2.25 mt. FL:1.27 mt.	NK	NK	Purchased from Sonepur Mela	M/S Ajanta Circus, 89/3, Ripon Street (Muzaffar Ahmed St), Kol-16	Performance in Circus shows	CWL/WMP/1081 dt. 26.12.00	Sheikh Nasiruddin		
7	0006484595	Vaijayanti	61 yrs. NK NK	Female	HL:2.60 mt. FL:1.29 mt.	NK	NK	Purchased from Sonepur Mela	M/S Ajanta Circus, 89/3, Ripon Street (Muzaffar Ahmed St), Kol-16	Performance in Circus shows	CWL/WMP/1081 dt. 26.12.00	Sheikh Nasiruddin		
8	00064795DB	Chanda	31 yrs. NK NK	Female					Animal was seized for violation of Section 381 & 40(2) of the WPA for unable to proof the certificate of ownership & not intimating the CWLW, WB within 20 days of bringing the elephant in WB. Elephant 'CHANDA' was then seized & kept in custody of Ajanta Circus 06.07.08 with the direction not to show any performance till the ownership is fixed					
M/S SONALI CIRCUS														
9	00064DB541	Champa	40 yrs. NK NK	Female	HL:2.52 mt. FL:1.22 mt.	NK	NK	Purchased from Sonepur Mela on 1990	Smt. Parul Singh, Prop. M/S Sonali Circus, Vill & P.O. Debpur, P.S.Bhatar, Dist. Burdwan	Performance in Circus shows		Sri Raju Singh	Applied for Ownership Certificate in 2004. Not yet issued.	

NK = Not Known

\* Dimension and Description :- Shoulder height (Ht.) and Circumference of front leg (FL)

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

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

Sl. No.	Identification No. Transponder ID	Name of Elephant	Age Date of Birth Place of Birth	Sex	Dimension & Description*	Name of Mother	Name of Father	Source/ Origin**	Present location & Range	Present use	Any other relevant informations / ownership certificate No.	Name of Mahut with designation (Pmt/DL/CDDL)	Name of Patavalla (Pmt/DL /CDDL)	Remarks
M/S EMPIRE CIRCUS														
10	00069B185B	Bijli	41 yrs. NK NK	Male (Juvenile)	Ht.2.54 mt. FL.1.24 mt.	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
11	0006A2902F	Boudhi	39 yrs. NK NK	Female	Ht.2.27 mt. FL.1.22 mt.	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
12	0006A2901A	Laxmi	17 yrs. NK NK	Female	Ht.2.06 mt. FL.1.02 mt (R) 1.35 mt. (L)	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
13	0006A2B3D6	Bahadur	17 yrs. NK NK	Male	Ht.2.34 mt. FL.1.16 mt.	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			
14	0006A2AB41	Maina / Jamuna	17 yrs. NK NK	Female	Ht.2.23 mt. FL.1.10 mt.	NK	NK	NK	Empire Circus, Elliot Road, Kol-16	Performance in Circus shows	2/LA/CIRC dt. 12.04.13			

NK = Not Known

\* Dimension and Description :- Shoulder height (Ht.) and Circumference of front leg (FL)

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



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

Sl. No.	Identification No. / Transponder ID	Name of Elephant	Age Date of Birth Place of Birth	Sex	Dimension & Description *	Name of Mother	Name of Father	Source/ Origin**	Present location & Range	Present use	Any other relevant informations / ownership certificate No.	Name of Mahut with designation (Pmt/DL/CDL)	Name of Patawalla (Pmt/DL /CDL)	Remarks
<b>M/S FAMOUS CIRCUS</b>														
15	00064D70EC	Raja	8 yrs. 28.12.1998 Sliguri	Male	Ht:1.72 mt. FL:0.82 mt.	Champa	Ganesh	Born in Circus	M/S Famous Circus, 48 R.N. Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Lakhinder Barui		
16	00064DE5EC	Shiba	15 yrs. 16.05.1992 Laxmi Sarai, Bihar	Male	Ht:2.28 mt. FL:1.05 mt.	Biri	Ganesh	Born in Circus	M/S Famous Circus, 48 R.N. Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
17	00064DCE37	Champa	40 yrs. NK	Female	Ht:2.33 mt. FL:1.12 mt.	NK	NK	Purchased from Sonepur Mela on 1985	M/S Famous Circus, 48 R.N. Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
18	00064D98FB	Biri	40 yrs. NK	Female	Ht:2.30 mt. FL:1.12 mt.	NK	NK	Purchased from Sonepur Mela on 1985	M/S Famous Circus, 48 R.N. Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
19	00064DD872	Ganesh	55 yrs. NK	Male	Ht:2.71 mt. FL:1.32 mt.	NK	NK	Purchased from Sonepur Mela on 1985	M/S Famous Circus, 48 R.N. Tagore Road, P.O. Dakshineswar, Kolkata-76	Performance in Circus shows	1/LA/CIRC dt. 27.06.11	Sri Surendra Singh		
<b>M/S NATARAJ CIRCUS</b>														
20	00064DFCFT	Basanti	39 yrs. NK	Female	Ht:2.28 mt. FL:1.17 mt.	NK	NK	Purchased from Sonepur Mela on 11.11.1992	M/S Nataraj Circus, Villi-Bhaskur, P.O Baluhati, Dist. Howrah, Pin-711401	Performance in Circus shows	24/1 dt. 08.10.99	Sri Bachtha Mia		
21	00064DDAF8	Suman	16 yrs. NK	Female	Ht:1.85 mt. FL:1.07 mt.	NK	NK	Purchased from Sonepur Mela on 1995	M/S Nataraj Circus, Villi-Bhaskur, P.O Baluhati, Dist. Howrah, Pin-711401	Performance in Circus shows	24/1 dt. 08.10.99	Sri Bachtha Mia		
22	00064D7822	Bhola**	50 yrs. NK	Male	Ht:2.68 mt. FL:1.38 mt.	NK	NK	Purchased from Sonepur Mela on 1992	M/S Nataraj Circus, Villi-Bhaskur, P.O Baluhati, Dist. Howrah, Pin-711401	Performance in Circus shows	24/1 dt. 08.10.99	Md. Hasmulah		
<b>M/S KOHINOOR CIRCUS</b>														
23	000642B0F9	Savitri	45 yrs. NK	Female	Ht:3.35 mt. FL:1.40 mt.	NK	NK		M/S Kohinoor Circus, 50B, Eliol Road, Kolkata-700013	Performance in Circus shows	G-12/23-240 dt. 07.07.98 of CWLW, UP,			
24	0006429434	Urmila	45 yrs. NK	Female		NK	NK		M/S Kohinoor Circus, 50B, Eliol Road, Kolkata-700013	Performance in Circus shows	N.S. 29 dt. 13.08.99 of DFO, Nagaon South Div., Hojai, Assam			

NK = Not Known

\* Dimension and Description :- Shoulder height (Ht) and Circumference of front leg (FL)

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

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

Sl. No.	Identification Transponder ID	Name of Elephant	Age Date of Birth Place of Birth	Sex	Dimension & Description*	Name of Mother	Name of Father	Source/ Origin**	Present location & Range	Present use	Any other relevant informations / ownership certificate No.	Name of Mahut with designation (Pmt/DL/CDDL)	Name of Patawalla (Pmt/DL /CDDL)	Remarks
ZOOLOGICAL GARDEN, ALIPORE, KOLKATA														
25		Rani	3+ yrs.	Female					Zoological Garden, Alipore, Kolkata	Used as an exhibits of the Zoo				
			Jaldapara WLS											
26	00064DF07F	Tili	4+ yrs.	Female					Zoological Garden, Alipore, Kolkata	Used as an exhibits of the Zoo				
			Jaldapara WLS											
ISKCON														
27	0006593C15	Faguni	10 yrs. 25.02.1998 NK	Female	Ht.1.75 mt. NK		NK		ISKCON, Sri Mayapur, Nadia Dist., near Navadwip, Pin-741313		0006593C15/EA C/JOF/M/08/1 dt. 30.01.08 of CF, Eastern Assam Circle, Jorhat			
28	0006591BOA	Bishnupriya	2 yrs. 21.02.2006 NK	Female	Ht.1.47 mt. NK		NK		ISKCON, Sri Mayapur, Nadia Dist., near Navadwip, Pin-741313		0006591BOA/EA C/DDM/KP/09/26 3 dt. 03.12.09 of CF, Eastern Assam Circle, Jorhat			

NK = Not Known

\* Dimension and Description :- Shoulder height (Ht.) and Circumference of front leg (FL)

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

## Annexure-7

### Chemical Immobilisation of Major Wild Animals in West Bengal during 2016-17

SL. No.	Date	Location	Description	Immobilising Drug (in ml.)	Remarks
Elephant					
1	01.04.2016	Natraj Circus at Tufanganj Town	Asian Elephant, Male Tusker, 55 yrs.	Xylazine- 5 ml, Ketamine- 2 ml	Musth management
2	08.06.2016	Ramnabagan, Burdwan	Male, Tusker		The elephant was translocated to North Bengal
3	03.07.2016	Khag Beat, Beliatore Range	1 Male, Adult & 2 Male Sub-Adult	Xylaxene-6.0 & Catamine-4.0	Dart loaded but not used
4	04.07.2016	Belboni Beat, Bankura (North) Range	1 Male, Adult & 2 Male Sub-Adult	Xylaxene-18.0 & Catamine-12.0	Captured one Male, Sub-Adult
5	05.07.2016	Khag Beat, Beliatore Range	Male, Adult	Xylaxene-12.0 & Catamine-8.0	Hunted down by firing
6	06.07.2016	Transported from Bankura to Buxa	Asian Elephant, Male Tusker, Adult	Xylazine – 4 ml, Ketamine – 1 ml	During transportation to make the animal calm.
7	07.07.2016	Checko Beat Enclosure.	Asian Elephant, Male Tusker, Adult	1) Xylazine-5 ml, Ketamine-2 ml, 2)Xylazine- 4 ml, Ketamine-1 ml	Shifting the animal from transportation tuck & then restraining this aggressive animal physically by chaining.
8	08.07.2016	Checko Beat Enclosure	Asian Elephant, Male Tusker, Adult	1) Xylazine-4 ml, Ketamine-1 ml, 2)Xylazine-4 ml, Ketamine-1 ml Yohimbine 8 ml for reversal.	One restraining chain broken at night. Again to re-chain the aggressive animal.
9	10.07.2016	Lalgarh, Medinipur	Male, Sub-Adult	Xylaxene	Handed over Jhargram Rescue Centre on 10.07.2016
10	19.07.2016	Checko Beat Enclosure	Asian Elephant, Male Tusker, Adult	1) Xylazine-5 ml, Ketamine – 1 ml, 2)Xylazine-4 ml, Ketamine – 1 ml.	Shifting from Sqampy area to a drier place and tying it to a tree.
11	09.08.2016	Shifting from BTR to Gorumara.	Asian Elephant, Male Tusker, Adult.	1) Xylazine-7 ml, Ketamine-3 ml, Yohimbine – 10 ml for reversal., 2)Xylazine-4 ml, Ketamine -1 ml	Releasing from chains & loading it in a transportation truck and transporting it to Gorumara.
12	04.10.2016	South Rydak Beat, BTR(East).	Asian Elephant, Captive (Suman) Male.	Xylazine-4 ml, Ketamine-1 ml	Musth Management.
13	03.02.2017	Durgapur	Elephant	Xylaxene-6.0 & Catamine-4.0	Dart loaded but not used
T-Tusker, M-Makna					



## Annexure-7

### Chemical Immobilisation of Major Wild Animals in West Bengal during 2016-17

SL. No.	Date	Location	Description	Immobilising Drug (in ml.)	Remarks
Leopard					
1	02.01.2017	Raiganj Town, Raiganj Division	Female, Adult		Released at Mahananda WLS
Gaur					
1	03.04.2016	Ghargharia village, Cooch Behar.	Gaur, Male, 6-7 years.	Xylazine – 4 ml, Ketamine 1 ml, Yohombine-6 ml for reversal.	Rescued & Released at Chilapata forest.
2	18.04.2016	Ghoksadanga, Coochbehar Division		Rescued by Tranquilization	Tranquilized by Jaldapara WL & BTR
3	28.04.2016	Ghoksadanga, Coochbehar Division		Rescued by Tranquilization	Tranquilized by Jaldapara WL & BTR
4	31.04.2016	Patkapara, B.T.R. (West)	Gaur, Male, 8-9 years.	Xylazine – 5 ml, Ketamine – 1 ml	Rescued & released at Chilapara forest.
5	19.12.2016	Jharmatelli, Lataguri	Gaur, Age-8yrs, Sex-Female	Inj Xylazil- 4 ml, Inj ketamil – 3 ml	Release in the natural habitat at GNP.
6	19.12.2016	Jharmatelli, Lataguri	Gaur, Age- 4years, Sex-Male	Inj Xylazil- 4 ml, Inj ketamil – 2 ml	Release in the natural habitat at GNP.
7	19.12.2016	Uttar Jharmatiyali.	Gaur, Sex- Female, adult.	NA.	Died
8	19.12.2016	Uttar Jharmatiyali.	Gaur, Sex- Female, adult.	NA.	Died
9	01.02.2017	Prodhan para under BKP Divn.	Gaur, Age- 12 years, Sex-Male	Inj Xylazil- 5 ml, Inj ketamil – 2 ml	Release in the natural habitat at STB-4 under Belacoba Range, BKP Divn.
10	12.02.2017	UttarJharmatelli, Lataguri	Gaur, Age-8yrs, Sex-Male	Inj Xylazil- 4 ml, Inj ketamil – 3 ml	Expired
11	12.02.2017	UttarJharmatelli, Lataguri	Gaur, Age-6-7yrs, Sex-Male	Inj Xylazil- 3 ml, Inj ketamil – 2 ml	Expired
12	12.02.2017	Kushaitari under Ramshai GP.	Gaur, Sex- Male, age-10 years.	NA,	Died
13	12.02.2017	Khemoner hat, Ramshai GP.	Gaur, Sex-Male, Age-12 years.	NA.	Died
14	11.03.2017	Ghoksadanga, Coochbehar Division		Rescued by Tranquilization	Tranquilized by Jaldapara WL & BTR
15	31.03.2017	Ghoksadanga, Coochbehar Division		Rescued by Tranquilization	Tranquilized by Jaldapara WL & BTR
16	24.05.2016	Bairaguri village, BTR(West)	Gaur, Male, 4-5 years.	Xylazine-4 ml, Ketamine – 1 ml	Rescued & released at 25 <sup>th</sup> mile tower area, BTR(West).
17	13.03.2017	Khochamari, Cooch Behar.	Gaur, Male, 6-7 years.	Xylazine-5 ml, Ketamine-2 ml, Yohimbine for reversal-5 ml	Rescued & released at 25 <sup>th</sup> Mile area, BTR(West).
18	31.03.2017	Nishiganj, Cooch Behar.	Gaur, Male, 8-9 years.	Xylazine-5 ml, Ketamine-2 ml, Yohimbine for reversal-5 ml	Rescued & released at Chilapata forest, Jaldapara National Park.

## Annexure-8

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

Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling :

1. Mahananda Wild Life Sanctuary :

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

2. Senchal Wild Life Sanctuary :

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

3. Singhalila National Park:

- a) Gorkhey

Divisional Forest Officer, Gorumara Wildlife Division,  
Jalpaiguri :

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



Divisional Forest Officer, Jaldapara Wildlife Division, Coochbehar :

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

Buxa Tiger Reserve (West) Division :

Forest Village

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

F.D. Holding

- a) Damanpur FDH,      b) Rajabhatkhawa FDH

Buxa Tiger Reserve (East) Division :

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

F.D. Holding

- a) Jainty



## Annexure-9

### Seminar / Workshop organized on Wildlife Management during 2016-17

Sl.	Date	Location	Topic	Organized by	No. of participants
1.	02.05.2016	Rvk. N.I.C.	Meeting about Elephant Dossier.	Buxa Tiger Reserve (West)	31 Nos.
2.	06.05.2016	E R Range	PMP Meeting	Sundarban Tiger Reserve	All staff
3.	05.06.2016	Murti Gorumara Tent	World Environment Day	GNR under Gorumara Wildlife Division	25 Nos.
4.	05.06.2016	Birsa Munda Club	World Environment Day	Lower Neora Range under DFO/Gorumara Wildlife Division	100 Nos.
5.	06.06.2016	E T Range	Swachh Bharat Avijan	Sundarban Tiger Reserve	All staff
6.	07.06.2016	Murti Gorumara Tent	Law Training	GNR under Gorumara Wildlife Division	29 Nos.
7.	25.06.2016	Beliatore	Mitigation of Human-Elephant Conflict	Bankura (North) Division	All DFOs in South West Bengal, Dist. Authorities, Public representatives in presence of Hon'ble MIC, Forests, PCCF, HoFF, General & Wildlife
8.	29.06.2016	Hope T.G.	Man Animal Conflict	Khunia Wildlife Squad Range.	33 Nos.
9.	17.07.2016	Bamandanga T.G.	Man Animal Conflict	Khunia Wildlife Squad Range, Gorumara Wildlife Division	56 Nos.
10.	18.07.2016	Baradighi T.G.	Man Animal Conflict	Khunia Wildlife Squad Range, Gorumara Wildlife Division	74 Nos.
11.	21.07.2016	Needim Div. of Sylee T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	75 Nos.
12.	22.07.2016	Matelli T.G.	Man Animal Conflict	Khunia Wildlife Squad Range, Gorumara Wildlife Division	51 Nos.
13.	22.07.2016	Bhuttabari Div. of Meenglass T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	136 Nos.
14.	22.07.2016	Bonnie Camp	Rifle Training Programme	24-Parganas (South) Division	45 Nos.
15.	30.07.2016	Sukhani Busty Champa Line.	Man Animal Conflict	Khunia Wildlife Squad Range, Gorumara Wildlife Division	82 Nos.
16.	02.08.2016	NIC, Sukna	Elephant depredation & Misc.	Darjeeling Wildlife Division	77 Nos.
17.	03.08.2016	Mahalasai Range, Rupnarayan Division	Elephant Management	Rupnarayan Division	200 Nos.
18.	09.08.2016	NIC, Sukna	Wildlife Protection	Darjeeling Wildlife Division	23 Nos.
19.	09.08.2016	SFTI, Hizli, Kharagpur	How to manage Elephant depredation problem and human-animal conflict	Jhargram Division	Hon'ble MIC, Forest, PCCFs, Addl. PCCFs, CCF, WC, CCF,SW
20.	11.08.2016	NIC, Sukna	WBFBCP	Darjeeling Wildlife Division	21 Nos.
21.	12.08.2016	Basbari Busty of Kumlai GP	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	81 Nos.
22.	01.09.2016	Bangla dhara of Damdim T.E.	Man Animal Conflict	Wildlife Squad-II, Mal.	94 Nos.
23.	02.09.2016	NIC, Sukna	Man/ Animal conflict & protection	Darjeeling Wildlife Division	95 Nos.
24.	05.09.2016	New Station Line of Ranichera TE.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	126 Nos.

Sl.	Date	Location	Topic	Organized by	No. of participants
25.	07.09.2016	Mandir Para of Mal Nady T.E	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	105 Nos.
26.	14.09.2016	Radhanagar	Protection of wildlife, prevent death of elephant by electrocution	Bankura (North) Division	ROs, BOs, selected staff, JFMC Members, Public representatives, Police administration
27.	18.09.2016	B.F.P. School of Sawgaon Busty	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	164 Nos.
28.	22.09.2016	4 Nos. Line of Elenbari T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	62 Nos.
29.	22.09.2016	Baraline Leesh River T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	65 Nos.
30.	22.09.2016	Rvk. N.I.C.	State Level meeting with Forest Deptt. & Railway Deptt.	BTR(W), Deptt. of Forests with Railway Deptt.	18 Nos.
31.	23.09.2016	Namji Line Leesh River T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	100 Nos.
32.	27.09.2016	NIC, Sukna	Man/ Animal conflict & protection	Darjeeling Wildlife Division	27 Nos.
33.	28.09.2016	Hope Div. of Leesh River T.E.	Man Animal Conflict	Wildlife Squad-II, Mal, Gorumara Wildlife Division	127 Nos.
34.	29.09.2016	Gopegarh Heritage and Eco-Tourism Centre	Identification, Handling & Rescue of Reptiles, Awareness on illegal trade of Wildlife	Medinipur Division	65 Nos.
35.	29.09.2016	E T Range	PMP Meeting	Sundarban Tiger Reserve	All staff
36.	30.09.2016	Rvk. N.I.C.	Training for Nature Guides Safari Operators & Preparatory meeting of Buxa Bird Festival 2016.	BTR(W), Deptt. of Forests with Guides.	79 Nos.
37.	03.10.2016	Rvk. N.I.C.	Workshop on E-Petrolling	BTR(W), Deptt. of Forests	41 Nos.
38.	05.10.2016	Rvk. N.I.C.	Workshop standardization of Dung decay method on Elephant Census.	BTR(W), Deptt. of Forests	44 Nos.
39.	23.10.2016	Murti Gorumara Tent	PMP Training	GNR under Gorumara Wildlife Division	20 Nos.
40.	25.10.2016	NIC, Sukna	Wildlife Crime	Darjeeling Wildlife Division	68 Nos.
41.	26.10.2016	NIC	Sensitization to Panchayat, JFMCs	Jaldapara Wildlife Division	40 Nos.
42.	29.10.2016	Rvk. N.I.C.	Workshop about Disaster Management.	BTR(W), Deptt of Forests, F.P.C/ E.D.C. members.	57 Nos.
43.	10.11.2016	E T Range	Camera Trapping Training	Sundarban Tiger Reserve	All staff
44.	02.12.2016	Sonamukhi	Protection of wildlife, prevent death of elephant by electrocution	Bankura (North) Division	ROs, BOs, selected staff, JFMC Members, Public representatives, Police administration
45.	06.12.2016	Murti Gorumara Tent	Elephant Identification	GNR under Gorumara Wildlife Division	68 Nos.
46.	15.12.2016	Rvk. N.I.C.	Tiger Estimation (Phase-IV)	BTR(W), Deptt. of Forests with N.G.O.	51 Nos.
47.	21.12.2016	Beliatore	Protection of wildlife, prevent death of elephant by electrocution	Bankura (North) Division	ROs, BOs, selected staff, JFMC Members, Public representatives, Police administration
48.	24.12.2016	Midnapore Auction Hall, Rupnarayan Division	Elephant Management	Medinipur Division	150 Nos.
49.	26.12.2016	E T Range	Legal Workshop Programme	Sundarban Tiger Reserve	All staff
50.	27.12.2016	NIC, Sukna	Work shop on GPS	Darjeeling Wildlife Division	11 Nos.
51.	01.11.2016, 08.01.2017, 23.01.2017	Herobhanga – 4,5,6,7& 8 Comptt	Camera Trapping Exercise [166]	24-Parganas (South) Division	10 Nos.

Sl.	Date	Location	Topic	Organized by	No. of participants
52.	03.01.2017	E T Range	BLCC & RLCC Meeting & Wildlife Day Programme	Sundarban Tiger Reserve	All staff
53.	05.01.2017	Barjora	Awareness Programme on wildlife in School	Bankura (North) Division	School Students
54.	06.01.2017 to 08.01.2017	Rvk. N.I.C.	Bird Festival	BTR(W), Deptt. of Forests with N.G.O.	47 Nos.
55.	07.01.2017	3 <sup>rd</sup> Mile, Sai Higher School	Wildlife Day	Darjeeling Wildlife Division	30 Nos.
56.	07.01.2017	Sonamukhi & Beliatore	Awareness Programme on wildlife in School	Bankura (North) Division	School Students
57.	31.01.2017	NIC, Sukna	Work shop on e- patrolling	Darjeeling Wildlife Division	30 Nos.
58.	08.02.2017	NIC	Duties of Honorary Wildlife Wardens	Wildlife (HQ) & Jaldapara Wildlife Division	11 Nos.
59.	21.02.2017	E T Range	Fishing of BLC Programme	Sundarban Tiger Reserve	All staff
60.	27.02.2017	E T Range	Wildlife Crime Seminar	Sundarban Tiger Reserve	All staff
61.	03.03.2017	Rvk. N.I.C.	Workshop cum training about Tiger Census	BTR(W), Deptt. of Forests with N.O.G.	106 Nos.
62.	06.03.2017	Murti Gorumara Tent	Elephant Census Training	GNR under Gorumara Wildlife Division	110 Nos.
63.	07.03.2017	NIC, Sukna	Work shop on Wildlife Enforcement	Darjeeling Wildlife Division	49 Nos.
64.	12.03.2017	Midnapore Auction Hall, Rupnarayan Division	Elephant Management	Medinipur Division	150 Nos.
65.	18.03.2017	Shyampur-I & Uluberia-I, Howrah Division	Awareness for Conservation of Fishing Cat	Howrah Rural S.F. Range, Howrah Division	440 Nos.
66.	18.03.2017	Amta-I & J.B.Pur Blocks, Howrah Division	Awareness for Conservation of Fishing Cat	Howrah Urban S.F. Range, Howrah Division	300 Nos.
67.	19.03.2017	Shyampur-II & Panchla, Howrah Division	Awareness for Conservation of Fishing Cat	Howrah Rural S.F. Range, Howrah Division	450 Nos.
68.	19.03.2017	Domjur & Sanrail Blocks, Howrah Division	Awareness for Conservation of Fishing Cat	Howrah Urban S.F. Range, Howrah Division	325 Nos.
69.	20.03.2017	Rvk. N.I.C.	Co-ordination between Public Representatives, District Administration & Forest Deptt. in Alipurduar & Cooch Behar	BTR(W), Deptt. of Forests with District Administration.	31 Nos.
70.	21.03.2017	Rvk. N.I.C.	Workshop about Elephant Census	BTR(W), Deptt. Of Forests	71 Nos.
71.	21.03.2017	NIC	Elephant Census	Jaldapara Wildlife Division	55 Nos.



Sl.	Date	Location	Topic	Organized by	No. of participants
72.	21.03.2017	NIC, Sukna	All India elephant population estimate	Darjeeling Wildlife Division	86 Nos.
73.	21.03.2017	Murti Gorumara Tent	Elephant Census Training	GNR under Gorumara Wildlife Division	160 Nos.
74.	24.03.2017	SFTI, Hijli, Kharagpur	Training cum workshop on Human Elephant Conflict	Wildlife (HQ) and Medinipur Division	110 Nos.
75.	25.03.2017	Bagnan-II & Amta-II, Howrah Division	Awareness for Conservation of Fishing Cat	Howrah Rural S.F. Range, Howrah Division	375 Nos.
76.	2016-17	Kulik, Raiganj Division	Bird Census	NGO & Schools of Raiganj	110 Nos.



## Annexure-10

### Honey collection in Sundarban Tiger Reserve and 24 Parganas (South) Division during 2016-17

STR	24-Pgns(S)	Remarks
Total Honey Collected (Kg.)	Total Honey Collected (Kg.)	
19050	15000	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	16	2011-12 & 2012-13	Functional	Maint. In 2016-17
Energized fencing	Malangi Beat Complex		0.5	2016-17	Functional	
Energized fencing	Torsa-3 Comptt.		8	2017	Functional	
Energized fencing	Torsa-1 Comptt.		3	2017	Functional	
Energized fencing	Hollong Pilkhana		0.6	2017	Functional	
Energized fencing	Hasimara-3,4 Comptt.		3.5	2016-17	Functional	
Energized fencing	CC Line		0.5	2016-17	Functional	
Energized fencing	Dulkisole-18	Kharagpur Division	2	2015-16	Damaged due to cyclone	
Energized fencing	Nayagram-143		3		Damaged due to cyclone	
Energized fencing	Block	Panchet Division	31.5	2015-16	Functional	
Energized fencing	Block		6.8	2015-16	Functional	
Energized fencing	Lalgarh Range, Lalgarh Beat, Padiha FPC	Medinipur Division	1.8	2015-16	Functional	Location are strategically very crucial, decisions were taken after discussion with villagers in this regard, it is hereby mentioned that fencing are not erected on the natural route of migratory herd
Energized fencing	Bhadutala Range, Moupal Beat, Karamarazole FPC		1.6	2015-16	Functional	
Energized fencing	Godapiasol Range, Ghagrasole Beat, Hiradihi FPC		1.6	2015-16	Functional	
Chain Link fencing	Bibhutibhusan WLS	24 Paraganas (North) Division	3.5	2011-12	Functional	
Energized fencing	KG-1 & 2	Buxa Tiger Reserve (East)	4	2006-07	Partly non functional	
Energized fencing	SK-2		6	2006-07	Partly non functional	
41 wire fencing	3.00 ha.		3	2016-17	Functional	
G.I. wire fencing	NRVK-9		3	2016-17	Functional	
Energized fencing	SRD-1		0.9	2006	Non functional	
Energized fencing	SRD-6 & 7		0.1	2015	Non functional	
Energized fencing	SRD-3		1	2016	Functional	
Energized fencing	SRD-5		4	2016	Functional	
Energized fencing	SRD-7		1	2016	Functional	
Nylon Net fencing	Matla, Ramganga & Raidighi Range	24-Parganas (South)	50	2016-17	Functional	Urgent replacement required against 37 km.
Chain Link & Wouve Wire fencing	Ballavpur WLS	Birbhum Division	1800 m2	2016-17	Functional	
Energized fencing	Chamta F.V., Chamta, Sukna Range	Darjeeling Wildlife Division	2	2012		No existence in the field
Energized fencing	Sukna to Rongdong		5	2015-16	Functional	
Energized fencing	Sukna to Punding F.V.		2	2015-16	Functional	
Energized fencing	Punding F.V.		2	2015-16	Functional	
Energized fencing	Khairjhora F.V.		3	2015-16		Damaged, need to maintenance
Energized fencing	Mahananda Rly. Bridge to Gulma Beat		4			Damaged, need to maintenance
Energized fencing	Punding F.V. to Mahananda Rly. Bridge		2			Damaged, need to maintenance
Energized fencing	7th Mile compound to Koilogodam, Gulma Beat		4	2004		Damaged, need to maintenance
Energized fencing	7th Mile		0.59	2004		Damaged, need to maintenance
Energized fencing	Radhanagar, Patrasayer, Beliatore, Barjora, Gangajalghati Range	Bankura North Division	83	During 2013-14, 2014-15 & 2015-16	Functional	Except 4.8 km. in Sonamukhi Range, the condition of line is very poor
Energized fencing		Jhargram Division	24.79	2015-16	Functional	



## Annexure-11

### Status of Forest Fencing in West Bengal

Type of fencing	Coverage area (Block, Comptt.)	Division	Length (in km.)	Year of installation	Present status	Remarks
Energized fencing	Sologhoria	Baikunthapur Division	5	2004-05	Functional	
Energized fencing	Magurmari		3	2004-05	Functional	
Energized fencing	Mechbusty		5	2004-05	Functional	
Energized fencing	Garbeta-II	Rupnarayan Division	8	2015-16	Functional	
Energized fencing	Hensla, Karmadi & Pusti Mouza under Jhalda-1 Block	Purulia Division	7	2015-16	Functional	
Energized fencing	Around Nursery & Khuntibari Beat Campur , Khuntimari of Moraghat Range	Jalpaiguri Division	1	2016	Functional	
Energized fencing	Around the Neora jungle Camp under Borodighi Beat of Lataquri Range		0.7	2016	Functional	
Nylon Net fencing	NP(W) Range	Sundarban Tiger Reserve	20	2016-17	Functional	
Nylon Net fencing	SWLS Range		35		Functional	
Nylon Net fencing	BHT Range		40		Functional	
Energized Fencing	Bichabhanga Forest basti.	Gorumara Wildlife Division	2	2002	Functional	Nil
Energized Fencing	Sursuti Forest Basti.		2.5	2002	Non-Functional	Nil
Energized Fencing	Kalipur Forest Village.		4	2003	Functional	Nil
Energized Fencing	Chatua Forest Village.		2.5	2003	Functional	Nil
Energized Fencing	Budhuram Forest Village.		2.5	2006	Functional	Nil
Energized Fencing	Pillkhana & Beat Campus, Dhupjhora Beat		2	2009	Functional	Nil
Energized Fencing	South Indong-I, Dhupjhora Beat		6	2007	Functional	Nil
Energized Fencing	Dhupjhora-IB, Dhupjhora Beat		6	2007	Non-functional	Around 2007 Bam. Pltn.
Energized Fencing	Pillkhana, Gorumara Beat		0.4	2010	Functional	Gorumara Pillkhana
Energized Fencing	Pillkhana, Gorumara Beat		0.5	2010	Functional	Gorati Pillkhana
Energized Fencing	Sambar tower, Gorumara Beat		0.2	2008	Functional	Nil
Energized Fencing	Kalipur Eco Village, Budhuram Beat		1	2005	Functional	Nil
Energized Fencing	Chukchuki Watch tower, Budhuram Beat		1.5	2001	Non-functional	Nil (GSR)
Energized Fencing	Around NIC		1	2015-16	Non-Functional	Nil
Chain linked	Around deer enclosure		0.7	NA	Functional	Nil
Energized Fencing	Nimati, NMT-3	Buxa Tiger Reserve (West)	1.11	2015-16	Functional	Grass plantation
Energized Fencing	Nimati, NMT-1A		0.42	2014-15	Functional	Rest House & cottage.
Energized Fencing	Nimati, NMT-4		0.28	2014-15	Functional	Beat compound
Energized Fencing	Raimatang, RTG-5		0.08	2014-15	Functional	30th mile Watch tower.
Energized Fencing	South Rvk., SRVK-15		0.41	2014-15	Functional	Rescue centre.
Energized Fencing	South Panbari, Pan-10		0.954	2014-15	Functional	Bamboo plantation
Energized Fencing	North Panbari, Pan-3		0.92	2014-15	Functional	Grass

# Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2016-17

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Buxa Tiger Reserve (West)	East RVK/Gadadjar/GD-6	State Plan	Mixed Tree	Creation	10.00
	Hamiltonganj/Rangamati/RMT-1	State Plan	Mixed Tree	Creation	10.00
	Nimati/West Nimati/NMT-1b	State Plan	Mixed Tree	Creation	20.00
	East Damanpur/Damanpur/DPO-8	State Plan	Mixed Tree	Creation	10.00
	Nimati, East Nimati, NMT-3	State Plan	Grass Plantation	Creation	10.00
	Nimati, East Nimati, NMT-3	State Plan	Fodder Plantation	Creation	25.00
	Total				85.00
Buxa Tiger Reserve (East)	SRD-7 of SRD Range		Sal	Maintenance	15.00
	DH-1 of SRD Range		Misc. Plantation	Maintenance	10.00
	Dhowla-3 of SRD Range		Misc. Plantation	Maintenance	10.00
	MKT-3 of SRD Range		Misc. Plantation	Maintenance	20.00
	NRT-2 of SRD Range		Misc. Plantation	Maintenance	20.00
	KTPF of NRD Range		Misc. Plantation	Maintenance	10.00
	SB-6 of Bholka Range		Misc. Plantation	Maintenance	10.00
	SRD-5 of SRD Range		Misc. Plantation	Maintenance	5.00
	DH-3 of SRD Range		Misc. Plantation	Maintenance	35.00
	NRT-1 of SRD Range		Misc. Plantation	Maintenance	40.00
	Ghoramara, SB-4 of BH Range		Misc. Plantation	Maintenance	5.00
	Barobisha, SB-5 of BH Range		Misc. Plantation	Maintenance	5.00
	DH-2 of SRD Range		Misc. Plantation	Maintenance	20.00
	SRD-5&7 of SRD Range		Misc. Plantation	Maintenance	20.00
	SB-4 of Bholka Range		Misc. Plantation	Maintenance	10.00
	MKT-2B of SRD Range		Misc. Plantation	Maintenance	20.00
	DH-3 of SRD Range		Misc. Plantation	Creation	10.00
	NRT-1 of SRD Range		Misc. Plantation	Creation	10.00
	SB-5 of Bholka Range		Misc. Plantation	Creation	20.00
	CRD-4 of NRD Range		Misc. Plantation	Creation	10.00
	NB-1 of BH Range		Misc. Plantation	Advance Work	25.00
	KTPF of NRD Range		Misc. Plantation	Advance Work	20.00
	SB-5 of Bholka Range		Misc. Plantation	Advance Work	5.00
	SRD of SRD Range		Fodder Plantation	Advance Work	40.00
	BTR(E)-2013-14		Grass Plantation	Cut Back	50.00
	BTR(E)-2014-15		Grass Plantation	Cut Back	30.00
	BTR(E)-2015-16		Grass Plantation	Cut Back	15.00
	BTR(E)-2016-17		Grass Plantation	Cut Back	15.00
	Total				505.00
Darjeeling Wildlife Division	Topkey Dara, 6 <sup>th</sup> mile, Senchla East Range, SWLS	State Plan	Mixed Tree	Creation	5.00
	Simkuna, Compt- 2, 6 <sup>th</sup> Mile, Senchal East Range, SWLS.	State Plan	Mixed Tree	Creation	5.00
	Senchal Pasture, Jorebunglow, Senchal West Range, SWLS	State Plan	Mixed Tree	Creation	15.00
	Catchment –II, Sonada, Senchal West Range, SWLS.	WBFBCP	Mixed Tree	Creation	15.00
	Sabarkum, Compt- 9, Gorkey, Singalila North Range	WBFBCP	Mixed Tree	Creation	5.00
	Total				45.00
Jalpaiguri Division	Moraghat	WBFBCP	Economic Sal	Creation	55.00
	Dalgaon	WBFBCP	Economic Sal	Creation	20.00
	Chalsa	WBFBCP	Economic Sal	Creation	10.00
	Dalgaon	WBFBCP	Economic Misc.	Creation	60.00
	Banarhat	WBFBCP	Economic Misc.	Creation	15.00
	Chalsa	WBFBCP	Economic Misc.	Creation	20.00
	Nathua	WBFBCP	Economic Misc.	Creation	30.00
	Diana	WBFBCP	Economic Misc.	Creation	20.00
	Dalgaon	SP	Economic Misc.	Creation	15.00
	Chalsa	SP	Economic Sal	Creation	10.00
	Nathua	SP	Economic Misc.	Creation	20.00
	Total				275.00

## Annexure-12      Creation, Advance Work, Maintenance of Plantations during 2016-17

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Nadia-Murshidabad Division	Berhampore (S) Range, Domkal Beat	SP	Mixed Tree	Creation	15.00
	Raghunathganj Range, Bagdabra Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	10.00
	Krishnagar Range, Bethuadahari Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	5.00
	Ranaghat Range, Ranaghat Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	5.00
	Tehatta Range, Tehatta Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	2.00
	Berhampore (N) Range, Berhampore (N) Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	10.00
	Berhampore (S) Range, Beldanga Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	5.00
	Raghunathganj Range, Bagdabra Beat	WBFBCP	Mixed Tree (Strip Plantation)	Creation	5.00
	Total				57.00
Jaldapara Wildlife Division	Kodalbasti Range, Mantharam Beat, Borodabri Block, BD-4 Comptt.	State Plan	Sal & Misc.	Creation	11.69
	CP-1, Malangi	State Plan	Fodder Grass	Creation	20.00
	Malangi-3, Malangi	State Plan	Fodder Grass	Creation	10.00
	Malangi-2, Malangi	State Plan	Fodder Grass	Creation	12.00
	JP-3, Hatipota HQ	WBFBCP	Fodder Grass	Creation	20.00
	CP-2, Sissamara	WBFBCP	Fodder Grass	Creation	10.00
	CP-3b, Sissamara	WBFBCP	Fodder Grass	Creation	10.00
	Salkumar-3 Comptt.	State Plan	Mixed Tree	Creation	20.00
	Chilapata Range, Mendabari Beat, MB-3 Comptt.	State Plan	Misc. Plantation	Creation	20.00
	Chilapata Range, Mendabari Beat, MB-3 Comptt.	State Plan	Misc. Plantation	Advance Work	20.00
	Chilapata Range, Mendabari Beat, MB-3 Comptt.	State Plan	Fodder Plantation	Advance Work	20.00
	JP-5, Torsa-1, Hollong Beat	State Plan	Fodder Plantation	Creation	20.00
	Torsa-1 Comptt., TEC Beat	State Plan	Fodder Plantation	Creation	9.00
	KB-2 Comptt., SKB Beat	State Plan	Misc. Plantation	Creation	10.00
	DMC-1 Comptt., DMC Beat	State Plan	Sal & Misc.	Creation	13.31
	KB-1 Comptt., NKB Beat	WBFBCP	Misc. Plantation	Creation	27.00
	KB-2 Comptt., SKB Beat	WBFBCP	Misc. Plantation	Creation	25.00
	KB-2 Comptt., SKB Beat	CAMPA	Misc. Plantation	Creation	1.00
	JP-1 Comptt., Siltorsa Beat	WBFBCP	Fodder Grass	Creation	10.00
	JP-5 Comptt., 50' Beat	State Plan	Fodder Grass	Creation	10.00
	Total				299.00
Kharagpur Division	Kashipore Beat under Belda Range		QGS Plantation	Advance Work	30.00
	Chandabila Beat of Chandabila Range		QGS Plantation	Advance Work	20.00
	Kalmapukuria & Nayagram Beat of Nayagram Range		QGS Plantation	Advance Work	60.00
	Kalaikunda & Sankrail Beat of Kalaikunda Range		QGS Plantation	Advance Work	40.00
	Patina Beat of Chandabila Range		QGS Plantation	Advance Work	20.00
	Baligeria Beat of Keshorekha Range		QGS Plantation	Advance Work	30.00
	Keshiary Beat of Belda Range		Sal Plantation	Advance Work	10.00
	Chandabila Beat of Chandabila Range		Sal Plantation	Advance Work	10.00
	Nayagram Beat of Nayagram Range		Strip Plantation	Advance Work	10.00
	Baligeria Beat of Keshorekha Range		Strip Plantation	Advance Work	10.00
	Daspur & Ghatal Beat of Ghatal Range		Strip Plantation	Advance Work	30.00
	Debra Beat of Debra Range		Strip Plantation	Advance Work	25.00
	Total				594.00
Sundarban Tiger Reserve	Sajnekhali WLS Range, STR		Mangrove	Creation	2.00
	National Park (East) Range, STR		Mangrove	Creation	12.00
	National Park (West) Range, STR		Mangrove	Creation	3.00
	Basirhat Range, STR		Mangrove	Creation	8.00
	Total				25.00



## Annexure-12      Creation, Advance Work, Maintenance of Plantations during 2016-17

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
Rupnarayan Division	Shyamnagar-Naranchawk Beat under Shyamnagar Range	State Plan	Bamboo	Creation	20.00
	Barodiha Beat under Raskundu Range	State Plan	Bamboo	Creation	5.00
	Upar Pathrisole Beat under Raskundu Range	State Plan	Bamboo	Creation	10.00
	Kamarkhali Beat under Raskundu Range	State Plan	Bamboo	Creation	5.00
	Shyamnagar Beat under Garbeta Range	State Plan	Bamboo	Maintenance	10.00
	Dhadika Beat under Garbeta Range	State Plan	Bamboo	Maintenance	20.00
	Total				70.00
Bankura (North) Division	Bankura (North)	State Plan	Bamboo	Creation	10.00
	Beliatore	State Plan	Bamboo	Creation	10.00
	Patrasayer	State Plan	Bamboo	Creation	10.00
	Radhanagar	State Plan	Bamboo	Creation	10.00
	Sonamukhi	State Plan	Bamboo	Creation	10.00
	Total				50.00
Purba Medinipur Division	Junput Beat of Contai Range		Coastal Shelter Belt	Creation	35.00
	Sankarpur Beat of Contai Range		Coastal Shelter Belt	Creation	5.00
	Range HQ Beat of Bajkul Range		Coastal Shelter Belt	Creation	10.00
	Balughata Beat of Haldia Range		Coastal Shelter Belt	Creation	10.00
	Junput Beat of Contai Range		Mangrove	Creation	30.00
	Nijkasba Beat of Bajkul Range		Mangrove	Creation	50.00
	Khejuri Beat of Bajkul Range		Mangrove	Creation	10.00
	Balughata Beat of Haldia Range		Mangrove	Creation	10.00
	Sankarpur Beat of Contai Range		Strip Plantation	Creation	10.00
	Panskura Beat of Panskura Range		Strip Plantation	Creation	10.00
	Pakaspur Beat of Egra Range		Strip Plantation	Creation	20.00
	Total				200.00
Gorumara Wildlife Division	Range- GNR, Beat- Khunia, Block- Tondou-II &-III comptt.	State Plan	Fodder Grass	Creation	25.00
	Range- GNR, Beat- Murti, Block- BM-I comptt.	State Plan	Fodder Grass	Creation	15.00
	Gorumara South Range, Gorumara Beat, Jal-IB.	State Plan	Fodder Grass	Creation	50.00
	Gorumara South Range, Gorumara Beat, DHP-IC.	State Plan	Fodder Grass	Creation	30.00
	Gorumara South Range, Gorumara Beat, Jal-IB.	WBFBCP	Fodder Grass	Creation	20.00
	Gorumara South Range, Gorumara Beat, Gorumara-II.	State Plan	Tree fodder plantation	Maintenance	10.00
	Gorumara South Range, Budhuram Beat, Medla-III.	State Plan	Tree fodder plantation	Maintenance	20.00
	Gorumara South Range, Dhupjhora Beat, South Indong-I.	State Plan	Bamboo plantation	Maintenance	15.00
	Gorumara South Range, Budhuram Beat, Ramshai extn,	State Plan	Fodder Grass	Advance work	70.00
	Gorumara South Range, Dhupjhora Beat,	State Plan	Fodder Grass	Advance work	20.00
	Gorumara South Range, Gorumara Beat, Jaldhaka-IB.	State Plan	Fodder Grass	Advance work	40.00
	Rhenock-3 Rachila Beat	WBFBCP	Fodder plantation	Creation	5.00
	Total				320.00
24-Parganas (South) Division	Ramganga, Raidighi, Bakkhali, Bhagabatpur, Matla	CMM	Mangrove strip	Maintenance	221.00
	Matla, Ramganga	CMM	Mangrove strip plantation	Creation	2.00
	Ramganga, Raidighi, Bakkhali, Bhagabatpur, Matla, Diamond Harbour, Namkhana, Baruipur	State Plan	Non mangrove strip plantation	Creation	447.00
	Ramganga, Raidighi, Bhagabatpur, Matla, Diamond Harbour, Namkhana, Baruipur	State Plan	Non mangrove strip plantation	Maintenance	80.00
	Ramganga, Raidighi, Bhagabatpur, Matla, Diamond Harbour, Namkhana, Baruipur	State Plan	Non mangrove strip plantation	Maintenance	80.00
	Ramganga, Raidighi, Bhagabatpur, Matla, Namkhana, Bakkhali, Baruipur	State Plan	Non mangrove strip plantation	Creation	100.00
	Ramganga, Raidighi, Bhagabatpur, Matla, Baruipur, Diamond Harbour,	State Plan	Non mangrove strip plantation	Advance work	700.00

## Annexure-12 Creation, Advance Work, Maintenance of Plantations during 2016-17

Division	Location	Scheme	Type of Plantation	Creation/ Maintenance/ Advance Work	Area (Ha)
	Ramganga, Raidighi, Bhagabatpur, Matla, Baruipur, Diamond Harbour,	State Plan	Non mangrove strip plantation	Maintenance	315.00
	Ramganga, Raidighi, Bhagabatpur, Matla, Baruipur, Diamond Harbour,	State Plan	Non mangrove strip plantation	Creation	50.00
	Total				1,995.00
24 Parganas(North)	Barrackpore-I Block of Barrackpore Range	State Plan	Mixed Tree	Creation	40.00
	Swarupnagar of Basirhat Range	State Plan	Mixed Tree	Creation	10.00
	Sandeshkhali-II, Hingalganj Beat of Rampura Range	State Plan	Mangrove	Maintenance	15.00
	Total				65.00
Raiganj Division	Raiganj Wildlife Sanctuary	CSS		Maintenance	1.00
	Total				1.00





### Annexure-13

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





## Annexure-14 Radio Collaring of Tiger in Sundarbans

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



## Annexure-15

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

(in Rs.)

Year	Person killed (No.)	Person injured (No.)	Comp paid for human life & injury	Live-stock killed/ injured (No.)	Comp paid for livestock killed	Hut damage (No.)	Comp paid for hut damage	Crop damage (Ha.)	Comp paid for crop damage	Total Comp
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	131	151	24363940.00	598	658420.00	4003	10583968.00	5100.693	37194150.00	72800478.00
2016-17	102	189	15861366.00	157	295610.00	3314	11211955.00	4788.466	69399933.00	96768864.00

### 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
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

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
2015-16	112	95	22800220.00	5100.693	37194150.00	4003	10583968.00	70578338.00
2016-17	84	57	15234288.00	4788.466	69399933.00	3314	11211955.00	95846176.00



**Payment of Ex-gratia Relief for Wild Animal depredation (Elephant, Tiger, Leopard, Bison etc.) in West Bengal for the period 2016-17**

**Payment of Ex-gratia Relief for Wild Animal depredation (Elephant, Tiger, Leopard, Bison etc.) in West Bengal for the period 2016-17**

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	5	4	616767.00	0	0.00	136	413000.00	133.97	2002578.00	3032345.00
Gorumara WL Division	11	102	1915532.00	11	11000.00	108	405500.00	40.46	430000.00	2762032.00
Jaldapara WL Division	9	15	2141863.00	0	0.00	284	880355.00	166.39	1541506.00	4563724.00
Buxa Tiger Reserve (W)	6	11	1125000.00	68	68000.00	339	678000.00	148	2800500.00	4671500.00
Buxa Tiger Reserve (E)	1	2	0.00	37	32750.00	71	184000.00	98.39	1226250.00	1443000.00
Jalpaiguri Division	6	3	573284.00	0	10300.00	127	722000.00	31.51	472780.00	1778364.00
Kurseong Division	5	4	0.00	0	0.00	0	0.00	0	0.00	0.00
Baikunthapur Division	4	2	500000.00	38	68400.00	342	1321500.00	169.47	1271000.00	3160900.00
Coochbehar Division	0	4	0.00	2	0.00	0	0.00	0	0.00	0.00
Rupnarayan Division	4	0	1510000.00	0	103160.00	60	213000.00	712.206	10683090.00	12509250.00
Kharagpur Division	2	3	274629.00	1	2000.00	344	1040550.00	491.29	7256950.00	8574129.00
Jhargram Division	6	3	1752400.00	0	0.00	142	489689.00	75.14	1038730.00	3280819.00
Bankura (North) Division	7	6	1833648.00	0	0.00	956	2967880.00	828.77	12249935.00	17051463.00
Bankura (South) Division	4	2	1000000.00	0	0.00	12	40000.00	43.17	647487.00	1687487.00
Burdwan Division	0	2	82202.00	0	0.00	4	24000.00	92.62	1389050.00	1495252.00
Purulia Division	3	0	750000.00	0	0.00	68	372000.00	479.3	7190407.00	8312407.00
Panchet Division	2	2	461757.00	0	0.00	45	135000.00	296.59	4448998.00	5045755.00
Birbhum Division	2	2	0.00	0	0.00	2	16000.00	1.4	21252.00	37252.00
24-Parganas (South)	6	4	0.00	0	0.00	0	0.00	0	0.00	0.00
Sundarban Tiger Reserve	9	0	0.00	0	0.00	0	0.00	0	0.00	0.00
Medinipur Division	5	2	1074284.00	0	0.00	238	1123841.00	970.22	14541380.00	16739505.00
Durgapur Division	2	0	250000.00	0	0.00	0	0.00	1.62	54000.00	304000.00
Darjeeling Division	0	0	0.00	0	0.00	0	0.00	0	0.00	0.00
Kangsabati (North) Division	0	0	0.00	0	0.00	36	185640.00	7.95	134040.00	319680.00
Raiganj Division	0	16	0.00	0	0.00	0	0.00	0	0.00	0.00
Kalimpong Division	3	0	0.00	0	0.00	0	0.00	0	0.00	0.00
<b>Total</b>	<b>102</b>	<b>189</b>	<b>15861366.00</b>	<b>157</b>	<b>295610.00</b>	<b>3314</b>	<b>11211955.00</b>	<b>4788.466</b>	<b>69399933.00</b>	<b>96768864.00</b>