

Ludhiana Zoo Ludhiana (PUNJAB)

Annual Report for the year 2017-18



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1. **Report of the Officer-in-charge :-**

Ludhiana, the Manchester of India, is famous for its Industries and hosieries in the world. The business trade of this mega city is quite large and contributes a lot to the State's economy. However, there is not much awareness among people for wildlife conservation as there was no wildlife reserve where the people could go and spend some time with nature and wild animals.

The State Government, established Tiger Safari in the Kadian Reserve Forest located on the left bank of river satluj near Km. 323-24 on Ludhiana Grand Trunk Road Since Chhatbir Zoo at that time was the only wildlife display facility in Punjab with good population of Royal Bengal Tiger, experts both from State and Center Government in a series of meetings finally decided to setup a Safari cum zoo where in excessive population of Royal Bengal Tiger of Chhatbir Zoo shall be brought for display to the public. This safari was also proposed to be a captive breeding facility for developing a pool of genetically pure species of Royal Bengal Tiger.

2. **History of Zoo :-**

This safari came into being in 1988 and was opened to public on 23.9.1988 with seven specimens (Four male and three female) of Royal Bengal Tigers. Today, about one lakh people visit this safari annually and it elicits good response from public. Central Zoo Authority, Government of India Ministry of Environment and Forests granted recognition to this safari as was required under wildlife (Protection) Act, 1972 and provided both technical and financial assistance in upgrading the facilities at the safari. The safari though remained intact but virtually evolved into a zoo. The Central Zoo Authority conducted evaluation of Safari from time to time and finally accorded a status of small zoo to the safari in the year 2016.

3. **Vision :-**

(A) To maintain, present bio-diversity levels through all viable and effective means including, appropriate ex-situ conservation and breeding.

(B) Our vision the human values for protection and preservation of the fauna and flora of the world.

4. **Mission**

We shall strive to provide natural habitats for the animals housed by providing and manipulating suitable environment and spread the message of nature conservation by awareness and educational programmes.

5. **Objective**

- (a) The main objective of the Ludhiana Zoo i.e. Zoo, Tiger Safari and Wild Life awareness Park shall be to compliment and strengthen the national efforts in ex-situ conservation and strength the conservation of the rich Bio-Diversity of the country, particularly the fauna.
- (b) Supporting the conservation of endangered species by giving species, which have no chance of survival in wild, a last chance of survival through coordinated breeding under ex-situ condition and raise stocks for rehabilitating them in wild as and when it is appropriate and desirable.
- (c) To inspire amongst zoo visitors empathy for wild animals, an understanding and awareness about the need for conservation of natural resources and for maintaining the ecological balance.
- (d) Providing opportunities for scientific studies, Research and documentation on conservation and creation of database for sharing between authorities involved in In-Situ and Ex-Situ conservation.
- (e) Bring awareness to the public on conservation and propagation of wildlife by conducting regular awareness and education campaigns and programs.
- (f) Providing dedicated facilities for the rescued and orphaned wild animals by providing appropriate housing, clinical and management facilities in off-the display area.

- (g) To serve as gene pool and germplasm reserve for future biological research on wild animals and to extend facilities for studies on behaviour and breeding of different animals.
- (h) To provide recreational opportunity to the visiting tourists.
- (i) To sustain the founder population and also to augment the depleting populations of endangered species in the wild.

6. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Ludhiana Zoo, Ludhiana
2	Year of Establishment	23-09-1988
3	Address of the Zoo	Incharge, Ludhiana Zoo , Near Hotel Amaltash, G.T. Road Jalandhar By Pass, Ludhiana.
4	State	Punjab
5	Telephone Number	01826-220083
6	Fax Number	-----
7	E-mail address	dfowlphillaur@gmail.com ludhianazoo@gmail.com
8	Website	-----
9	Distance from nearest	Airport: Sahnewal 20 K.m.
		Railway Station: 8 K.m.
		Bus Stand: 10 K.m.
10	Recognition Valid upto (Date)	20 th January 2019
11	Category of zoo	Small zoo
12	Area (in Hectares)	56 Hectares
13	Number of Visitors (Financial Year)	Adult : 101828
		Children : 17123
		Total Indian : 111631

S.No.	Particulars	Information
		Total Foreigners : 7320
		Total Visitors : 118951
14	Visitors' Facilities Available in Zoo	R.O. Drinking Water, Public Toilet and Rain shelter.
15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Sh. Daljit Singh, Deputy Forest Officer
	Name of the Veterinary Officer	Dr. Chatinder Singh
	Name of the Curator	Sh. Jagdish Pal Singh, Forester
	Name of the Biologist	-----
	Name of the Education Officer	Sh. Narinder Singh, Forest Guard
	Name of the Compounder/ Lab Assistant	-----
Owner / Operator of the Zoo		
17	*Name of the Operator	Nil
18	Address of the Operator	Nil
19	Contact details/Phone number of Operator	Nil
20	E-mail address of Operator	Nil

* Rule 2(m) of the Recognition of Zoo Rules, 2009.

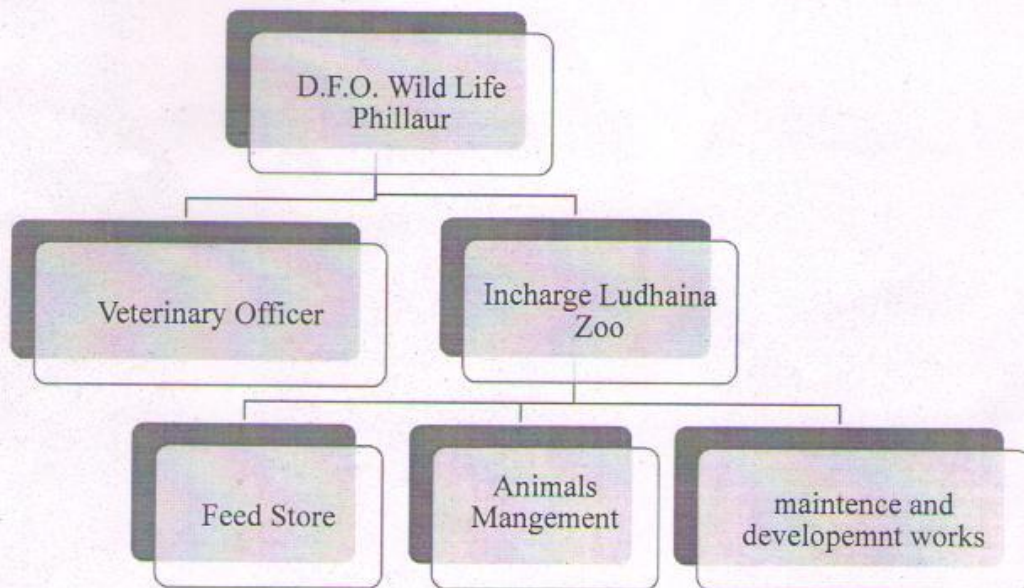
"Zoo Operator" means the person who has ultimate control over the affairs of the zoos provided that _____

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

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

S.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Deputy Forest Range Officer	1	1
2.	Forester	1	1
3.	Forest Guard	1	1
4.	Gate Keeper	1	1
5.	Beldar	5	5

*Please give above mentioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

9. Capacity Building of zoo personnel

S.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Sh. Brij Lal, Beldar	Zoo Keeper Training Programme	27-02-2017 to 05-03-2017	Forest Training Institute Kidwai Nagar, Kanpur, U.P.
2	Sh. Jaage, Beldar			

10. Zoo Advisory Committee – Nill

- a. Date of constitution
- b. Members
- c. Dates on which Meetings held during the year

11. Health Advisory Committee– Nill

- a. Date of constitution
- b. Members
- c. Dates on which Meetings held during the year

12. Statement of income and expenditure of the Zoo
Revenue of Ludhiana zoo Ludhiana (2017-18)

Sr. No.	Particulars of fee and rate	No. Of Visitor in year	Amount
1	Entry Fee Adult Person 20/-	101828	2036560/-
2	Entry fee children age 3 year to 12 year per person 10/-	17123	171230/-
3	Playing Mini Bus in Tiger Safari	-	1933293/-
4	Parking Place	-	505000/-
5	Canteen	-	303000/-
6	Animal adoption scheme	-	11650/-
	Total	118951	4960733/-

Expenditure :

Ludhiana Zoo Ludhiana spent Rs. 5601518/- during the financial year 2017-18 for maintenance, feed fodder and others work related to zoo.

13. Daily feed Schedule of animals

S.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
Attached copy of Annexure-I					

14. Vaccination Schedule of animals

S.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
Null					

15. De-worming Schedule of animals

S.No.	Species	Drug used	Month
1	All Species	Panacare	July 2017

16. Disinfection Schedule

S.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Royal Bengal Tiger	Safari House	Daily Disinfection Schedules :- 1. Collect all feed wastage of carnivores in the polythene bag and dispose then. 2. Collect the excreta of carnivores in the polythene bag and buried into pit. 3. Washing the floor and walls of the animals housing area. 4. All the fodder wastage and dung of herbivores also has been removed from the surrounding of animals enclosures and put it in a pit for further disposal. Weekly disinfection Schedule :- 1. Wet the surface of floor and walls with hot water. 2. Spread the solution of 5% with potassium permanganate / bleaching powder after natively . 3. Scraping the surface of floor and walls with iron brush. 4. Dry surface with dipper effectively.	
2	Samber, Barking Deer, Emu, Porocpine and jackal.	Enclosures		
3	Birds	Birds House		

17. Health Check-up of employees for zoonotic diseases

S.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
Nill				

18. Development Works carried out in the zoo during the year :

- (i) Green Nit fix on the chain link of Black Buck, Sambar, Barking Deer, Jackal enclosures and bird's cage for the purpose of improve 25% display area.
- (ii) Renovate office on in-charge Ludhiana Zoo.

19. Education and Awareness programmes during the year :

On the world Environment day 5th June 2017 Ludhiana Zoo Ludhiana arranged an event for school children to aware them about environment. School Children were invited to Ludhiana zoo to witness the beauty of nature and wild life. Students were welcomed by the incharge of zoo them they were allowed to watch different animals in the zoo moreover they were aware about different threats to natural life like global warming, greenhouse effect and so on.

20. Important Events and happenings :

Like every year the Ludhiana zoo celebrated wildlife week in the first week of October from 3rd to 8th October 2017 on the Wild Life Week zoo entry fee free for all visitors and Zoo organizing spot painting competition for 200 school children inaugurated by the chief guest Sh. Khushwinder Singh, P.F.S. Divisional Forest Officer, Wild Life Phillaur and prize distribution by him

21. Seasonal special arrangements for upkeep of animals :

Replace new water cooler in tiger house for summer season care and new heater for winter season.

22. Research Work carried out and publications : Nill

23. Conservation Breeding Programme of the Zoo : Nill

24. Animal acquisition / transfer / exchange during the year

A. Animals arriving in the Zoo					
H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
	Silver Pheasant	2 (M+F)	Baradari Patiala	13-07-2017	
B. Animals going from the zoo					
H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	
Null					

25. Rescue and Rehabilitation of wild animals carried out by the Zoo

S.No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
Attached Copy of Annexure-II						

26. Annual Inventory of animals

Form - II

[See Rule 11(1)]

Part - A

Inventory Report for the Year :

Endangered Species*

S.N	Anim al Name	Scientif ic name	Opening Stock as on				Births			Acquisitio n			Dispos al			Death			Closing Stock as on			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Attached Copy of Annexure-III																						

*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Part - B

Other than Endangered Species

S. N	Anima l Name	Scienti fic name	Opening Stock as on				Births			Acquisiti on			Disposal			Death			Closing Stock as on			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Attached copy of Annexure-IV																						

27. Mortality of animals



S.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post mortem report
Attached Copy of Annexure- V					

28. Compliance with conditions stipulated by the Central Zoo Authority

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
Attached Copy of Annexure-VI					

29. List of free living wild animals within the zoo premises

- a. Mammals : Sambers, Blue Bulls, Porcopines and Wild Boars
- b. Birds : Parrots, Peacocks, Kites and Pigeons
- c. Reptiles : Snaks, Lizard and Sand Whoha.




Khushwinder Singh, P.F.S.
Divisional Forest Officer
Wild Life Division
Phillaur 

Annexure- I

Daily feed Schedule of animals of Ludhiana Zoo Ludhiana

Sr. No.	Species	Feed Item	Quantity		Day of fasting
			Winter	Summer	
1	Royal Bengal Tiger	Chicken Meat	4Kg. Per Day	Same	Friday
		Buffalo Meat	5Kg. Per Day	Same	
2	Jackal	Buffalo Meat	3 Kg. Per Day	Same	Friday
3	Black Buck	Green Fooder	15 Kg. Per Day	Same	-
		Black Gram	100 g. Per Day	Same	-
		Cattle Feed	150 g. Per Day	Same	-
		Gur	100 g. weekly	Same	-
4	Samber	Green Fooder	25 Kg. Per Day	Same	-
		Cattle Feed	500 Kg. Per Day	Same	-
		Gur	200 g. weeklly	Same	-
5	Barking Deer	Green Fooder	15 Kg. Per Day	Same	-
		Black Gram	100 g. Per Day	Same	-
		Cattle Feed	150 g. Per Day	Same	-
		Gur	100 g. weekly	Same	-
6	Emu	Black Gram	300 g. Per Day	Same	-
		Mix Crushed	400 g. Per Day	Same	-
		Onion	100 g. Per Day	Same	-
		Cabbage	200 g. Per Day	Same	-
		Garlic	40 g. Per Day	Same	-
		Banana	2 No. Per Day	Same	-
		Boiled Eggs	2 No. Per Day	Same	-
7	Porcupine	Ground Nut	100 g. Per Day	Same	-
		Apple	100 g. Per Day	Same	-
		Patato	100 g. Per Day	Same	-
		Onion	25 g. Per Day	Same	-
		Cabbage	200 g. Per Day	Same	-
		Cucmber	100 g. Per Day	Same	-
		Bread	100 g. Per Day	Same	-
8	Nick Ring Parrot	Ground Nut	20 g. Per Day	Same	-
		Apple	10 g. Per Day	Same	-
		Green Chilly	10 g. Per Day	Same	-
		Cabbage	10 g. Per Day	Same	-
9	Indian Geese	Spianch (Palak)	50 g. Per Day	Same	-
		Mix Crushed	20 g. Per Day	Same	-


10	Silver Pheasant	Mix Crushed	100 g. Per Day	Same	-
		Onion	25 g. Per Day	Same	-
		Spianch (Palak)	50 g. Per Day	Same	-
		Garlic	10 g. Per Day	Same	-
		Banana	1 No. Per Day	Same	-
11	White Pigeon	Cabbage	10 g. Per Day	Same	-
		Mix Crushed	50 g. Per Day	Same	-
12	Peafowl	Sabat Dana	117 L/s Per Day	Same	-
13	Silver Dove	Kangani	10 g. Per Day	Same	-
		Bajra	10 g. Per Day	Same	-
		Apple	2 g. Per Day	Same	-
		Cabbage	5 g. Per Day	Same	-
14	Dimond Dove	Cabbage	5 g. Per Day	Same	-
		Bajra	10 g. Per Day	Same	-
		Kangani	10 g. Per Day	Same	-
		Apple	2 g. Per Day	Same	-
15	Budrigarh	Bajra	10g. Per Day	Same	-
		Kangani	10g. Per Day	Same	-
		Apple	2 g. Per Day	Same	-
		Cabbage	5 g. Per Day	Same	-


 Divisional Forest Officer
 Wild Life Division
 Phillaur 

Annexure-II

Rescue and Rehabilitation of wild animals carried out by the Zoo
Ludhiana Zoo Ludhiana

Sr. No.	Name & Address of the who given rescue Animals / Birds	Name of rescue animals / Birds	Date	No of Animals	Date of Death	Released date	Balance
1	Sh. Harjinder Singh, Ladowal	Parrot	2/9/2017	1	0	0	1
2	Range forest Officer, Wild life, Ludhiana	Samber	15-12-2017	1	0	0	1


Divisional Forest Officer
Wild Life Divisional
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Annexure-III																														
Divisional Forest Officer, Wild Life, Phillaur																														
Annual Inventory Report of Ludhiana Zoo Ludhiana & Deer Park Neelon (01-04-2017 to 31-03-2018)																														
Sr. No	Animals & Birds Name	Scientific Name	Opening Stockes on 01-04-2017				Birth				Acquisition				Disposed				Death				Closing Stockes on 31-03-2018							
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
1	Pea Fowl	Pavo Cristatus	42	43	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	43	0	85
Total			42	43	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	43	0	85
1	Royal Bengal Tiger	Panthera Tiger	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
2	Black Buck	Antelope Cervicapra	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
3	Jackal	Canis Areus	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	2	0	2
Total			4	2	2	8	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	5	2	0	7	2	0	7
1	Indian Geese	Anser Indicus	18	17	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	17	0	35
2	Pigeon White	Columbia	8	7	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	7	0	15
3	Emu	Dromaius Noveahollandiae	4	3	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	1	8
4	Budgerigar	Melopsittacus Undutattus	18	17	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	17	0	35
5	Neck Ring Parrot	Pittacula Kramer	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
6	Silver Dove	Sterptopelia	8	10	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	10	0	18
7	Diamond dove	Geopelia Cuneata	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
8	Silver Pheasant	Lophura Nycthemera	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total			58	57	1	116	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	59	58	1	118
1	Sambar	Cervus Unicolor	2	8	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	0	10
2	Barking Deer	Muntiacus Muntjak	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	2
3	Porcupine	Hystrix indica	5	4	1	10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	4	3	1	8				
Total			8	14	1	23	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	7	12	1	20				

Divisional Forest Officer
Wild life Division
Phillaur



**Annexure-IV
Ludhiana Zoo Ludhiana**

Other than Endangered Species

Sr. No.	Animals name	Scientific name	Opening Stock as on				Births				Acquisition				Disposal				Death				Closing Stock as on							
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
1.	Royal Bengal Tiger	Panthera Tigris	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2


 Khushwinder Singh, P.F.S.
 Divisional Forest Officer
 Wild Life division,
 Phillaur.

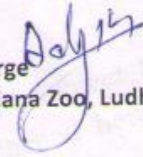
Annexure- IV V				
Annual summary of death of Animals, Birds and reptiles w.e.f. 01/04/2017 to 31/03/2018				
Ludhiana Zoo Ludhiana				
Sr. No.	Spiceies	Sex	D.O.D	Cause of Death
1	Porcupine	M	19-06-2017	As per Post Mortem Report Attached
2	Porcupine	F	19-06-2017	As per Post Mortem Report Attached
3	Jackal	M	17-11-2017	As per Post Mortem Report Attached
4	Barking Deer	F	25-11-2017	As per Post Mortem Report Attached



 Divisional Forest Officer
 Wild Life Divisional
 Phillaur


Annexure-VI
Ludhiana Zoo Ludhiana
Status of compliance of condition stipulated by CZA

Sr. No.	Norm No.	Condition Stipulated	Compliance
General Requirement			
1	1(3)	(a) Enclosures for Himalayan Black Bear, Hyena and Jackal/ Wolf herbivore need revamping and more importantly animals should be housed in appropriate social groups.	Done
		(b) Roads / footpath in tiger safari needs immediate repair and alignment.	Done
Animal housing, display of the Animals and enclosures :			
2	4 (5)	The area of the tiger safari is only 10 hectares. However, as per CZA's norm, the minimum required area for tiger safari is 20 hectares. Thus you are directed to extend the exiting area to 20 hectares or discontinue the tiger safari.	In progress
Veterinary and infrastructure facilities :			
3	6(1)	Veterinary Hospital should be made functional	Guru Angad Dev Veterinary and Animals Science University (GADVASU) is situated at a distance of 10 kilometers from the Ludhiana Zoo and have been always in close co-ordination with the management of the Zoo, and the University provides its services

			<p>A) There is a mechanism of weekly visit of Sr. Veterinary Officer of Chattbir Large Zoo as a in house arrangement (As per letter no. 6745 dated 10-03-2014 and letter no. 767 dated 03-05-2016 of Additional PCCF and Chief wildlife warden Punjab, S.A.S Nagar)</p> <p>B) Veterinary Hospital Haibowal Ludhiana is also contacted and taken help from, as and when required</p>
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Incharge 
Ludhiana Zoo, Ludhiana


Divisional Forest Officer
Wild Life, PHILLAUR.