

Assessment of cultural parameters conducive for lion conservation in Gir landscape

Research questionnaire for village-level interviews

Questionnaire Structure

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I. DEMOGRAPHICS

1. Date:
2. Village Name:
3. Name of person:
4. Male/Female Age:
5. Number of household members:
6. Religion
 Hindu Muslim
7. Caste (Specify):
8. Resident since:
 Born (Resident) Migrant (past 10years) Migrant (since 11-20 years)
9. How much land-holding do you have (bigha):
 0.4–4.4 4.5–8.4 8.5–16.4 >16.5
10. Occupation
 Agriculture Daily wage labour Animal husbandry
 NTFP (non-timber forest produce) collection Self-employed/business
 Employed in Forest department Other government job Others

II. LIVESTOCK RELATED DETAILS

11. What is the size of Livestock holding

COW					BUFFALO				
Calf	Ox	Female			Calf	Male	Female		
		Pregnant	Productive	Non productive			Pregnant	Productive	Non productive

12. You been rearing livestock for the past (years)

- <10 11-20 21-30 <31

13. Compared to your livestock holding 10 years ago, today it has

Increased by	Decreased by	Remained the same	Do not know	Other (state below)
10%	10%			
20%	20%			
30%	30%			
40%	40%			
50%	50%			

14. What do you rear livestock for

- Commercial purpose household consumption

15. If you deal in sale of milk and milk products what is the average monthly income from livestock rearing

Rs.

16. Typically what are the measures you take to protect your livestock from predation?

(Supervised grazing by day, Building/enhancing of boundary wall around the house, secure corral for the livestock, Avoid forest and forest edge areas, others (specify))

17. Approximately how much do you think you might have spent last year on guarding livestock from predation (Average monthly)

Rs.

18. List priorities of your life

Monsoon and crop yield; Market rates for crop; Threat to life; livestock predation; Crop raiding

III. EXPERIENCE

- **Livestock loss**

19. Have you ever experienced livestock loss due to predation?

- Previous year (2015-16) 1-5 years back 6-10 years back

20. Which animal attacked your livestock?

- Lion Leopard Both

21. How many incidents of livestock predation have you experienced in the past year (2015-16)?

22. Details of livestock loss due to predation in the previous year

- Buffalo Cow Goat Sheep
 Female Lactating Non lactating
 Male
 Calf Sub-adult Adult

23. In your village, during the last one year, are you aware of other incidents of livestock loss due to predation?

- Yes, i heard Yes, I have witnessed an incident involving somebody I know
 I think so, may be Not aware No

24. Have you ever claimed monetary compensation provided by forest department for loss due to predation?

- Yes No, I have not experienced any loss No, I decided not to claim

25. If you have had predation loss and have claimed compensation, what is your feedback on the compensation scheme

	Poor	Fair	Good	Very Good	Excellent
Compensation Amount					
Claim related procedures					
Processing and refund					
Others (specify)					

26. What does this loss mean for you?

- Loss in income Personal loss Both

27. If you been in a situation where you have lost your livestock to predation give 3 words that describe your state of mind or emotion relating to the incident

28. Among factors that threaten the well-being of your livestock

	Significance				
	None	Least	Moderate	Great	Greatest
Predation Risk					
Natural cause related to health and disease					
Resource availability owing to seasonal changes					

- **Encounter with people**

29. What is the frequency of your sighting of lion and leopard in a month?

	1	2	3	4	5	6	7
	<i>Not very often</i>			<i>Average</i>	<i>Very often</i>		
Lion							
Leopard							

30. When you had sighted a lion/leopard what time of day was it?

FREQUENCY OF SIGHTING	Once	Twice	Thrice	4 times	5 times	6 times	7 times
	<i>Not very often</i>			<i>Average</i>	<i>Very often</i>		
LION							
Early morning (Dawn)							
Day-time							
Evening (Dusk)							
Night							
LEOPARD							
Early morning (Dawn)							
Day-time							
Evening (Dusk)							
Night							

31. Have you had a close encounter with lion or leopard?

- Yes, with lion
 Yes, with leopard
 Yes, with both
 Never

32. Describe your experience (circumstance, way of dealing and emotions)

33. What was the lion/leopard's reaction to your presence during the encounter

- It was not aware of my presence Was aware but unperturbed by my presence
- It was aware & moved away from the spot Displayed aggression on seeing
- It attacked on seeing me

34. If attacked, were you injured?

- Yes, severely Yes, mildly No

35. If you have been attacked and injured by lion and leopard what is your feedback on the compensation scheme

	Poor	Fair	Good	Very Good	Excellent
Compensation Amount					
Claim related procedures					
Processing and refund					
Others (specify)					

36. What sort of animal is the lion – describe in your own words? (associated characteristics, adjectives used, positive and negative points)

37. In your opinion the presence of lions in your village vicinity means

- Reduction in crop loss due to wild ungulates
- Security and safeguard for the village and forest
- Threat to human life
- Economic loss due to livestock predation
- Having to follow stringent rules and laws imposed in name of conservation

38. What is your attitude toward the following

	Like	Indifferent	Dislike	Do not know
Leopard				
Lion				

39. If you have been in a situation where you have come face to face with lion/leopard give 3 words that describe your state of mind or emotion relating to the incident

40. What is your emotion toward the lion

- Pride Security Fear Others (Specify)

41. What is your emotion toward leopard

- Pride Security Fear Others (Specify)

42. According to you in the past ten years, lion population has

- Increased Decreased not changed No idea

43. Livestock predation and carnivore attack on people has increased in last ten years

- Strongly agree Agree No idea/neutral Disagree Strongly disagree

44. The perception of increase in human-carnivore conflict in past 10 years is because of greater communication and media attention

- Strongly agree Agree No idea/neutral Disagree Strongly disagree

45. More records of incidents related to livestock predation and carnivore attack on people in past ten years is because of increase in human population and reduction in natural habitats

- Strongly agree Agree No idea/neutral Disagree Strongly disagree

46. More records of incidents related to livestock predation and carnivore attack on people in past ten years is because of increase in carnivore population

- Strongly agree Agree No idea/neutral Disagree Strongly disagree

47. In your opinion what should be the nature of carnivore population in the village habitats

	Extinct	Regulated Population	Natural unregulated population	No opinion	More Numbers	More numbers elsewhere
Lions						
Leopards						

48. What would you do if you come across an injured or distressed wild animal in your farm or village vicinity

- Inform local forest department staff Inform sarpanch Inform Van Mitra

- Not do anything

49. Are you aware of the forest department animal rescue and relocation operation?

- Yes, have witnessed Yes, have heard about it No, not aware

50. According to you, lions and leopards moving outside forest in village areas should be

- Allowed to move unrestrained Captured and relocated
 Captured & retained in captivity

51. Do you think local people and Forest department should jointly work towards lion conservation?

- Strongly agree Agree No idea/neutral Disagree Strongly disagree

IV. KNOWLEDGE

52. Are you aware of lion population numbers (latest 2015 census)?

53. Where else would you find the Asiatic lions apart from Gir?

V. SOCIAL NORMS

54. How often do people in your community talk about lions attacking people?

- Never Rarely Sometimes Often

55. What happens here when a lions appears on someone's land?

- It is chased away We will contact forest department We carry on as usual
 Be alert and avoid approaching it

56. What would you neighbours expect you to do, if a lion came onto your land?

VI. RELIGION/RITUAL/ART/Architecture