Appendix

Questionnaire for Socio-economic and Environmental Status

Dear friend(s),

I am a PhD scholar in the Department of Geography, Nagaland University, doing research on “Pattern of Socio-economic Change and its Impact on Environment in Nagaland with Special Reference to Zunheboto District”. This thesis is for the partial requirement of the Degree of Doctor of Philosophy.

The study will provide information of the current socio-economic and the environmental quality of Nagaland and Zunheboto district. The main importance of the study is to show how and in what rate the socio-economic change is impacting the natural environment of the study area. I, therefore, oblige your concern and sincerity in responding the following Questions. I assure you that the information provided by you will be completely anonymous and confidential.

In case of any query and concerns about the survey, please do not hesitate to contact me on the address given below.

Thanking you in anticipation.

Yours faithfully,
Avitoli Kinny,
PhD Scholar,
Department of Geography,
Nagaland University.
Ph. No. 09862466582.
Email: avikinny@gmail.com
I. General Information
1. Name of the respondent: ___________________
2. Sex:_________
3. Age:_____
4. Education:_______________________
5. Profession/Occupation:__________________________
6. Present address:_____ 
7. ________________________________
8. Permanent address:_____________________________________________________

II. Housing
9. Own/rented/other:___________________
10. Brick/bamboo/others:__________________
11. Lighting:_________________________
12. Sources of water:___________________
13. Fuel used:_______________________
14. Other facilities (TVs/cars/refrigerators etc.):_____________________________________
III. Land Related Information

15. Total land owned by the family:__________________ (hectares/acres/sq.km/local unit used)
16. Irrigated land:______________________________ (hectares/acres/sq.km/local unit used)
17. Cultivated land:____________________________ (hectares/acres/sq.km local unit used)
18. Other land:_______________________________ (hectares/acres/sq.km local unit used)

IV. Agriculture and Allied Activities

19. Crops
   cultivated:__________________________________________________

20. Domesticated
   animals:_____________________________________________________

21. Type of cultivation:______________________________

22. No. of family members employed in agriculture full time:___________

23. No. of family members employed in agriculture part time:___________

V. Socio- Economy Related Information

23. No. of members in your household: _______

24. No. of male and female in the household: __________________________
25. Education qualifications of the household members:

__________________________________________________

__________________________________________________

26. No. of family employed in Govt. service: ________

27. Family monthly income:

☐ Below Rs. 5,000  ☐ Rs. 5,000-10,000 ☐ Rs. 10,000-15,000  ☐ Rs. 15,000-20,000
☐ Rs. 20,000-25,000  ☐ Rs. Above 25,000

28. Total number of schools and colleges in your village/town: ____________
   a. No. of Primary school: ____________
   b. High school: _____________
   c. College: ____________
   d. Others: __________________________________________________________________ (if any, please mention the name)

29. Any medical facility in the village/town:  ☐ Yes  ☐ No
   If yes, please mention the name: ______________________________________________
   ________________________________________________________________

30. What are the diseases, the population of your village/town mostly suffers from?

_________________________________________________________________________

31. Type of road connected to your village/town:

☐ Black topped  ☐ Kutcha road  ☐ Footpath

32. How is the condition of the road?
Good                   Very good                Bad                    Very bad

33. How is the functioning of Village council/VDB/ Municipal council?
□ Good                   □ Very good                □ Bad                    □ No functioning at all

34. Any development activities by the Govt. /VDB/ Municipal council?  □ Yes      □ No
If yes, please mention the activity:
________________________________________________________________________
________________________________________________________________________

VI. Environment Related Information

35. Do you feel the pattern of weather is generally changing?
□ Yes                       □ No                        □ Don’t know

36. If yes, why do you think this might be?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

37. Please look at the following list of environmental issues, and tick the three issues that concern you the most in your area/village/town:
□ Air pollution                 □ Pollution of rivers           □ Climate change
□ Using up of natural resources □ Extinction of species            □ Overpopulation
□ Deforestation
38. Now please indicate how much you agree or disagree with the following general statements by ticking one box on each row:

<table>
<thead>
<tr>
<th>Agree</th>
<th>Neither agree nor disagree</th>
<th>Disagree</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Humans have the right to modify the natural environment to suit their needs.</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>b. Humans are severely abusing the planet.</td>
<td>[ ]</td>
<td>[ ]</td>
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<tr>
<td>c. Plants and animals have the same rights as humans to exist.</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>d. Humans are meant to rule over the rest of nature.</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>f. The balance of nature is very delicate and easily upset.</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>e. Nature is strong enough to cope with the impact of the fast developing activities in Zunheboto district</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

39. Is there any protected/ reserved forest?  [ ] Yes  [ ] No

If yes, please mention them:
___________________________________________________

40. Have you heard or know of virgin forest in your area?  [ ] Yes  [ ] No

41. Do you notice any difference of crop production in your area?
[ ] Increased  [ ] Decreased  [ ] No difference

42. Cultivators in your locality use any fertilizers/pesticides/ weedkiller?

i. Fertilizers used: ____________________________________________________________

ii. Pesticides used: __________________________________________________________

iii. Weedkiller used: ________________________________________________________
43. Do you face water scarcity in your locality? □ Yes □ No
If yes, please mention the months and reason:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

44. Have you noticed any difference in the **quantity** of water in rivers, ponds, lakes etc. in the previous 5-10 years? □ Yes □ No
If yes, please tick: □ Increased □ Decreased

46. Have you noticed any difference in the **quality** of water in rivers, ponds, lakes etc. in the previous 5-10 years? □ Yes □ No

47. Does Landslide occur in your area? □ Yes □ No
If yes, please tick where it occurs often:
□ Roadside □ Cultivated area □ Populated area □ Others

48. Whether there is increase or decrease in the number of plants and animals that are being seen/observed in your locality in the last 10 years. Please mention the name of the plants and animals.

________________________________________________________________________
________________________________________________________________________

49. Any community based fishing/hunting in your locality? □ Yes □ No
If yes i) How many times in a year? ________________

ii) What are the methods?

________________________________________________________________________
50. Please give your comments/suggestions/opinion on the topic or the questionnaire.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

Name of the Respondent with Signature: ___________________________ Date: ____________