ANNEXURE

ASSESSING THE VULNERABILITY AND AWARENESS OF CLIMATE CHANGE IN DISTRICTS KANGRA AND SHIMLA OF HIMACHAL PRADESH

Questionnaire
Personal Information

Name:
Age: Male/Female
Occupation: Agriculturist/Student/Working/Not Working
Educational Qualification:
Address: ____________________________________________________________
__________________________________________________________

1. Is ‘Climate Change’ really an environmental issue in the 21st Century?
   (i) Yes
   (ii) No
   (iii) Can’t say

2. Do you think that State of Himachal Pradesh particularly Shimla and Kangra Districts are also vulnerable to climate change:
   (i) Yes
   (ii) No
   (iii) Can’t say

3. How did you experience climate change in or around your area? (Please tick (✓) appropriate)

   -AI -
(i) Rise in temperature
(ii) Winters have become longer
(iii) Change in seasons
(iv) Summers have become longer
(v) Unpredictable Weather

4. What changes do you attribute to climate change in or around your place?
   (i) Haphazard Housing Construction
   (ii) Tree felling
   (iii) Unplanned Urbanisation
   (iv) Increase in number of vehicles

5. According to you which of the following is the reason of denudation of forests specially in Shimla and Kangra Districts of Himachal Pradesh?
   (i) Growing population
   (ii) Construction of Roads
   (iii) Haphazard Urbanisation
   (iv) Temporarily shifting of people in winters residing in high altitude to low lying areas.
   (v) Giving priority to orchards/agriculture without caring for forests.
   (vi) Extraction of rasins from trees.

6. Which is the most common fuel used by the people of HP for cooking purposes. (Please tick (✓) appropriate)
   (i) Dung
(ii) Forest wood
(iii) Agricultural Waste
(iv) LPG Gas

7. Which of the following are the impacts of climate change on the State of Himachal Pradesh particularly in districts Shimla and Kangra? (Please tick ✓ as appropriate)

(i) Melting Glaciers
(ii) Decrease in rainfall
(iii) Decrease in snowfall
(iv) Unpredictable weather
(v) Increase in rainfall.

8. Please tick ✓ any of the following which you feel is right.

(i) Mining in Shimla and Kangra districts are harming forests.
(ii) Mining is not harming the forests.
(iii) Mining is harming the forests but development is also important.
(iv) Mining activity has nothing to do with the environment.

9. Please tick ✓ any of the following which you think is appropriate

(i) Setting of cement plants in Himachal is helpful in generating the revenue to the State.
(ii) This is inappropriate as the environment will be affected.
(iii) Himachal government should encourage more cement plants as this will also generate employment opportunities.
(iv) In the name of environment livelihood of people can’t be ignored hence cement plants should be set up.
10. Out of the following which you prefer to reach to your orchard/agricultural land. (Please tick (✓) as appropriate)
   
   (i) Walking
   
   (ii) Horse or the alternative animal
   
   (iii) Transport (Car, Jeep, etc.)

11. Which of the following are the effects of climate change on Himachal Pradesh especially in Shimla and Kangra regions? Please tick as many as you feel is correct.
   
   (i) Lower Fruits/Agricultural Yield
   
   (ii) Increase threat to human health
   
   (iii) Shifts in forests and species
   
   (iv) Species Extinction

12. Recently Government of Himachal Pradesh levy Rs. 100 as ‘Green Fee’ on the vehicles. As per you, this will help in which of the following activities.
   
   (i) It will generate revenue to Himachal Pradesh.
   
   (ii) It will put unnecessary financial burden on the people.
   
   (iii) It will help in reducing vehicular pollution hence global warming.

13. Every year lots of forests in Himachal Pradesh get engulfed by fire. What do you think are the main reasons behind it? (Please tick (✓) appropriate).
   
   (i) Conflict between forest dwellers and the government (people intentionally set forests on fire).
   
   (ii) Natural process
   
   (iii) Global Warming
14. Do you think government of Himachal Pradesh is doing enough to tackle with the problem of deforestation?

(i) Yes: ________________________________________________

(ii) No: ________________________________________________

(iii) Can’t say: _________________________________________

15. According to you out of the following which is the best source to provide awareness/information about the climate change?

(i) Television

(ii) Radio

(iii) Newspaper

(iv) Internet

(v) School/College/ University

(vi) Government Agencies/Information

(vii) Friends/Family

(viii) Environmental Group (NGOs etc.)

16. How can you help to slow global warming?

(i) Save electricity

(ii) Planting trees

(iii) Switching to renewable energy

17. Please specify your suggestion if any that what can be done to tackle with the problem of climate change?

_____________________________________________________

_____________________________________________________

Thank you for filling the questionnaire.
WHERE WE ARE HEADING TOWARDS?

“Pictures Shown Below Giving Evidence of The Impacts of Climate Change”

Climate Change will Probably cause draughts that will affect people in the hat

Source: Available at www.carbonbrief.org/blog/2012/06/09-climate-images-i-really-dont-need-i-see-again (accessed on December 27, 2012).
Climate change will 'strand' polar bears on melting ice. This is undoubtedly the one image that sums up climate change better than any other.

Source: Available at www.carbonbrief.org/blog/2012/06/09-climate-images-i-reallydont-need-i-see-again (accessed on December 27, 2012).
Receeding Gangotri Glacier.

Source: Available at www.worldviewglobalwarming.org (accessed on December 27, 2012).
Flooding over a road on the edge of Blackwater National Wildlife Refuge, on the "Eastern Shore," of Maryland, caused by continued sea level rise in the Chesapeake Bay and heavy rains and spring run off, March 19, 2010 and is less than 1 meter above sea level.

Source: Available at www.worldviewglobalwarming.org/pages/rising-seas.html, (accessed on December 27. 2012).
Climate change: Disappeared South Talpatti, what next?

Source: Available at: www.thedailystar.net/newDesign/news-details.php?nid=135601 (accessed on December 27, 2012)

Emperors do not build nests but carry their egg and small chick in a large pouch near their feet. After a few weeks, chicks can stand on the ice but are protected by their parents from the cold. If the ice disappears before the chicks can take care of themselves they will be swept into the sea.

Source: Available at: www.penguinescience.com/clim_change_ms.php
Yet it appears human attitudes to the snow leopard are shifting range. One of the threats facing this endangered cat along with climate is that it generally inhabits areas where humans make their living from livestock. Thus, when livestock is lost, catching the animal is the people's only recourse.

Source: Available at: www.environmentalgraffiti.com/featured/photos/snow-leopard/20880.