

ANNEXES

ANNEX 1: QUESTIONNAIRE FOR HHs SURVEY:

A. General Introduction:

Date: Name of Interviewer:
Age: Gender/Sex: Male or Female
Address: Educational status:
Major Occupation: Household head:
Ethnicity: Year of Residence:

B. Climate Change (Temperature and rainfall) related Questions:

- 1) Are you feeling any changes in climate pattern? Temperature or rainfall?
a) Yes b) No c) I do not know
- 2) Are you feeling any change in the pattern of temperature in the last 30 years?
a) Increasing b) Decreasing c) I do not know

If yes, how, or what are

- A) Summer temperature is rising rapidly
- B) Winter is warming
- C) I don't know

- 3) Are you feeling any change in the pattern of rainfall in the last 30 years?
a) Increasing
b) Decreasing
c) I do not know

If yes, how

- A) Rainy days are increasing or decreasing
- B) Erratic rainfall happening frequently or not?
- C) I don't know

C. Climate induced impact perceived

(i) Agricultural production

- 4) Does the crop yield in your agricultural land is changing?
a) Increasing b) decreasing c) I don't know
- 5) Which crop mostly affected in agricultural production?
a)
b)
c)

(ii) Water resources availability

- 6) Does there any changes in water availability or water in wells and streams?
a) Increasing b) decreasing c) I don't know
- 7) Are there any changes in water supply (Handpump and boring pumps)
a) Yes b) No c) I don't know

iii) Diseases/Mosquito presence

- 8) Are there any changes in mosquitoes than in the past
a) Increasing b) Decreasing c) I don't know
- 9) Are there any incidences of malaria disease
a) Yes b) No c) I don't know

iv) Birds/Waterfowl presence

- 10) Are there any changes in Birds numbers or waterfowls in nearby paddy fields and streams
a) Yes b) No c) I don't know
- If yes, why birds number might have increased or decreased?**
- a)
b)
c).....

D. Climate induced disasters

- 11) Do you know about climatic disasters/hazards in this area such as a) Floods b) Drought c) forests fire d) hailstorms e) landslides
a) Yes b) No c) I don't know
- If yes, are climatic hazards/disaster, increasing?**
a) Increasing b) Decreasing c) I don't know
- 12) Which of the following disasters occurs frequently?
a) Floods b) Drought c) forests fire d) hailstorms e) landslides f) others if any.

(i) Flood

- 13) Are there any incidences of flood
a) Yes b) No c) I don't know
- if yes, does the intensity of flood varying?**
a) Increasing b) decreasing c) I don't know

- 14) What is the impact of flood in this area?

- a)
b)
c).....

- 15) How do you respond to flood, or activities done in response to the flood?

- a)
b)
c)

- 16) In your opinion, what activities need to adapt immediately by government to adapt with flood?

- a)
b)
c).....

ii) Drought

- 17) Have you experienced drought in this area?
a) Yes b) No c) I don't know

If yes, (Year in which drought was most severe? Can you remember.....)

18) Do the drought events change in the area?

a) Increasing b) decreasing c) I don't know

19) Has drought affected agricultural production?

a) Yes b) No c) I don't know

20) Are there any changes in water supply (Handpump and boring pumps)

a) Yes b) No c) I don't know

21) What are the other effects of (drought)?

a)

b)

c).....

22) If there is a prolonged period of drought, what activities do you conduct in agricultural land, as adaptation measures?

a)

b)

c).....

23) In your opinion, what activities need to adapt with drought?

a)

b)

c).....

iii) Hailstorms

24) Have you noticed hailstorm occurrence in this area?

a) Yes b) No c) I don't know

25) If yes hailstorm events...

a) Increasing b) Decreasing c) I do not know

26) In your opinion, what activities need to adapt immediately to adapt with hailstorms?

a) b) c).....

iv) Forest fire

27) Are there any forest fire incidences in the area?

a) Yes b) No c) I don't know

28) If yes, forest fire events...

a) Increasing b) Decreasing c) I do not know

29) What are the effects of forest fire in daily life?

a)

b)

c).....

30) How are you improving dependency on forest product such as fuelwood and fodder?

a)

b)

c).....

31) In your opinion, what activities need to adapt immediately by government to mitigate forest fire?

a)

b)

c).....

ANNEX 2: CHECKLIST FOR KEY INFORMANTS

Name....

Age of Participant.....

Occupation/affiliation

Ward No.....

Specific Character.....

- Knowledge about climate change
- Since when you are feeling a change in climate
- Pattern of climate change (in terms of changes in rainfall and temperature)
- Major climatic disastrous events
- Effects of disaster/hazards on rural livelihood options
- Potential causes of disastrous events
- Impact of climate change on local livelihood
- Adaptation measures for drought, floods, hailstorms, forest fire
- Mitigation measures for drought, floods, hailstorms, forest fire