

**Sustainable Management of Maguri-  
Motapong wetland complex, Tinsukiya  
district, Assam, India**

Himalayan Climate Change and Adaptation Program (HICAP)/ICIMOD

Household code:  
Address: ..... District .....Block  
..... Village Date of  
interview:

PART I: Personal Information

1. Individual

1.1. Age: ..... Yrs.

1.2. Gender: (a) Male (b) Female

1.3. Family Size: (i) Over 18 years old ..... (ii) Under 18 years old.....

1.4. Ethnicity:

1.5. Education: ..... Years

1.6. Occupation (main income source first): (i) ..... (ii)..... (iii).....

1.7. Name of the other wetlands from where you mostly use products/services:

1.8. Living in this area : (a) Born here (b)..... years

1.9. Landholding and Tenure :

Land characteristics	Land type and Area (Kathha)			No. of crops per year	Name of crops
	Own land	Shared crop in	Shared crop out		
Irrigated					
Unirrigated					
Forest					
Others					

1.10. How long your production can meet your household food demand?

(a) <3 months (b) 3 to 6 months (c) 6 to 9 months (d) 9 to 12 months (e) >12 months

1.11. Indicate whether your household possesses the following items and how many

Car		Motorbike		Bus		Truck		Solar		Cooking gas		.....	
Tractor		Television		Cycle		Radio		Biogas		Improved cook stove		.....	

1.11.1. Mention the type of improved cook stove: (a) Mud (b) Metal (c) Others .....

1.12. Major crops, and quantity produced and sold in the last year

Crops	Unit	Total production	Unit sold	Unit price (Rs)	Income from selling (Rs)
Rice					
Maize					
Wheat					
Potato					
Vegetable					
Fruits					
Others					

1.13. Livestock (number)

(a) Buffalo ..... (b) Cow..... (c) Ox ..... (d) Goat..... (e) Others .....

1.14. Income from livestock products

Product	Unit	Total Production	Unit sold	Unit price (Rs)	Total income (Rs)
Milk					
Meat					
Egg					
Other milk products					
Others					

PART II: State of wetland complex

We are interested in your opinions about the management of Maguri-Motapong wetland complex. We are interested in only your household’s use of the wetland resources, not use by other households in your village or other villages.

1. Ecosystem services – driver of change and trend (compared to last 10 years)

Items	Trend <sup>1</sup>	Reasons for change (drivers)	Impact on livelihood <sup>2</sup>
Fish			
Drinking water			
Irrigation water			
Fuelwood			
Fodder , leaf litter			
Edible plants (fruits, vegetables)			
Meat, (wild life if considered for consumption)			
Medicinal and aromatic plants			
Other construction materials (thatch, bamboo, rattan,)			
Any other products, ...			
Tourism (bird watching)			
Flood control			
Religious, cultural importance if any			
Any other services (please use separate page if needed)			

<sup>1</sup>Trend— Decreasing =1, No-change =2, Increasing = 3

<sup>2</sup>Impact — Negative =1, No-impact =2, Positive = 3

2. Wetland Condition

- a. Has there any change in wetland condition (in terms of area, water level)? a) yes    b) No
- b. Has there been any change in the wetland biodiversity (fish, bird species)? (a) Yes                      (b) No
- c. Major wetland products collection and use

Wetland products	Unit	Frequency (Weekly/Monthly/ Yearly)	Collected quantity (2012)	Price per unit (IRs)	Collected quantity (10 yrs back)	Price per unit (IRs)
Fish						
Fuelwood						
Fodder , leaflitter						
Vegetabl e						
Edible fruits						
Thatch, rope etc						
Grazing, fodder						
Any others....						

- d. In your opinion, are there any plant species disappeared in your wetland (those which were available earlier 20 yrs back, but not seen in recent years)? a) Yes                      b) no  
If yes, please list them 1)    2)    3)
- e. In your opinion, are there any animal species (including birds, fish) disappeared in your wetland (those which were available earlier 20 yrs back, but not seen in recent years)? a) Yes                      b) no  
If yes, please list them 1)    2)    3)
- f. In your opinion, are there any new plant species seen in you forest (those which were not seen earlier 20 yrs back, but not seen in recent years)? a) Yes                      b) no  
If yes, please list them 1)    2)    3)
- g. In your opinion, are there any new animal species (including birds, fish) seen in you forest (those which were not seen earlier 20 yrs back, but not seen in recent years)? a) Yes                      b) no  
If yes, please list them 1)    2)    3)
- h. In your opinion, what are the most important three fish species of the wetland ? Write in preference order?  
(a)    (b)    (c)    (d)    (e)
- i. If wetland products availability is decreasing, how do you compensate for the reduction in wetland products?  
(a) Reducing consumption    (b) privately producing    (c) Buying                      (e) others .....

3. **Driver of Ecosystem Change/Threat analysis**

In your opinion, what are the major reasons (drivers) of change in Poba reserve forests? Kindly suggest in priority order

Drivers	Perception on change (prioritised drivers)					Remarks
	Very high (-2)	High (-1)	Neutral (0)	Low (+1)	Very low (+2)	
Siltation						
River cutting						
Deforestation						
Over exploitation of resources						
Sewage, and other pollution						
Invasive and alien species						
Erosion, landslide						
Chemical , poisoning						
Any others... please list (use another paper if needed)						

4. **What are major natural calamities in your area?**

Calamities	Frequency of occurrence (times/year)	Damage to your household/ property *	Damage to wetland*	Way to control
Landslides				
Flooding				
Draught				

\* Mention – Land (Irrigated, Unirrigated, Others) in Ropani, Livestock Number, Other property (monetary value), if production has decreased compared with the past year.

### **PART III: Wetland Management**

6. Are there any institutional set up or management modality available to manage your wetland complex Poba forests? For example, community management groups, management plan.?

a) Yes      b) No

If Yes... what are those mechanism – please elaborate

If no—do you support to establish institutional set up to manage Maguri wetland ?

7. Do you see the need of any management plan for Maguri complex

a) Yes      b) no

8. Is there any external support available to manage Maguri-Motapong wetland complex

a) Yes      b) No

If yes, please elaborate

9. In your opinion, what is the legal status of Maguri Potapong wetland

a) Under Department of forest   b) under local government   c) under community (tribal rights) d) I do not know e) other

Thank you!!!