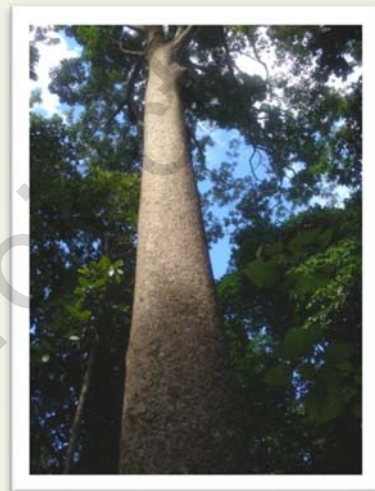


Strengthening Regional Cooperation for Wildlife Protection Project (SRCWP)

Indigenous People Plan

Biodiversity conservation through the protection and restoration of water sources of Pablakhali Protected Area under Rangamati district



North
South
University



World Bank



Bangladesh
Forest
Department

June, 2015

IPP is carried out on a monthly basis. A list of the dates of the IPP meetings and community consultation is attached in annex 1. In all meetings, small indigenous groups of people from surrounding local area, forest department officials and local Headman (Karbari) of the village are invited.



Figure 1 The first IPP held in the presence of Mr. ShantulLarma

Methods used for preparing IPP

A combination of methods was used to gather the necessary information. These methods include, community meetings, focus group discussions, one on one interviews etc. The one on one survey is attached in annex 2. The methods allowed the proponent to gather not only local information, but also information about field implementation.

Given below are the agenda and objectives that were discussed in the meeting:

Agenda:

1. Inform the local community about the project goal and objectives
 - a. Identification of spring
 - b. Flora and fauna survey
 - c. Conservation of spring water
 - d. Implementation of watershed management model
2. Aware locals about biodiversity habitat conservation and water conservation
3. Implementation and maintenance of watershed management model
4. Long-term impacts of project activities on locals
5. Receive feedback and suggestions from locals



Figure 2 Meeting being held at a local school



Figure 3 Community meeting held at the local forest department office

Meeting minutes

- People from different hill and forest dwelling communities, members from local Union Parishad, and local spiritual leaders remain present in most of the meetings.
- The goal and objectives of the project were discussed and explained to the people attending the meeting.
- After explanation of the above mentioned activities, the feedback and suggestions from the participants are received.
- Concerns about the structural interventions were raised.
- Concerns about the impact of the project on the rice fields were raised.
- The participants of the meeting raised several questions which were responded accordingly.
- They mentioned that the forest is depleting rapidly which resulted in water scarcity in lean period, wildlife especially the elephant and other large mammalian species are in grave danger. Conflicts between elephant and human are also a problem here. Their people are injured, crops are raided, and houses are being damaged. They are also chasing elephant away from our crop land.
- Food became scarce in the forest.
- The wetlands in around the Pablakhali Protected Area vanishing fast.
- The swamp and reed lands are literally been exterminated.
- They are happy to learn that the project proponent will be addressing the issue of watershed and wildlife.
- Different water conservation techniques were observed in the meeting, i.e. slow sand filter and rain water harvesting
- The attendants appreciated the initiative taken by the project and promised to provide support and co-operation to the project proponent in any way possible.



Figure 4 Community meeting held at Para Chara in collaboration with forest department officials

It can be noted here that the project did not face any problem while disseminating the ideas of the project to the local participants. Furthermore the participants were enthusiastic about the project and appreciated the initiative taken by the project proponent to resolve the water crisis situation.



Figure 5 One on One interviews taking place at the local village

Annexure

Annex 1: List of dates when the IPP meetings

Sl	Date	Location	Time
1	05.05.2014	Pablakhali Protected Area	3.00 pm to 4.30pm
2	06.06.2014	Pablakhali Protected Area	4.00 pm – 5.00 pm
3	27.7.2014	Pablakhali Protected Area	4.00 pm – 5.00 pm
4	14.08.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
5	25.08.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
6	15.09.201	Pablakhali Protected Area	11.00 a.m – 12.00 pm
7	25.09.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
8	14.10.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
9	27.10.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
10	15.11.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
11	27.11.2014	Pablakhali Protected Area	11.00 a.m – 12.00 pm
12	7.12.2014	Pablakhali Protected Area	4.00 pm – 5.00 pm

Annex 2: One on one survey (please note that 100 families of our study area have been surveyed the data is being analyzed.

NORTH SOUTH UNIVERSITY

Department of Environmental Science and Management



Biodiversity conservation through the protection and restoration of water sources of Pablakhali Protected Area under Rangamati district



Strengthening Regional Cooperation for Wildlife Protection Project (SRCWP)

Bangladesh Forest Department

Dhaka, Bangladesh

Interview Details

Name of Interviewer:

Phone No:

Date of Interview:

Time of Interview:

GPS coordinates:

Socio Economic Aspect

		Code
Name		
Address		
How long have you been living here?		
Sex	<input type="checkbox"/> Male – 01 <input type="checkbox"/> Female – 02	_ _
Age	<input type="checkbox"/> Under 12 – 01 <input type="checkbox"/> 12-17 years – 02 <input type="checkbox"/> 18-24 years – 03 <input type="checkbox"/> 25-34 years – 04 <input type="checkbox"/> 35-44 years – 05 <input type="checkbox"/> 45-54 years – 06 <input type="checkbox"/> 55-64 years – 07 <input type="checkbox"/> 65-74 years – 08 <input type="checkbox"/> 75 above – 09	_ _
Marital Status	<input type="checkbox"/> Single – 01 <input type="checkbox"/> Married – 02 <input type="checkbox"/> Separated – 03 <input type="checkbox"/> Widowed – 04	_ _
Religious Group	<input type="checkbox"/> Muslim – 01 <input type="checkbox"/> Buddhist – 02	_ _

	<input type="checkbox"/> Hindu – 03 <input type="checkbox"/> Christian – 04 <input type="checkbox"/> Others – 05	
Ethnicity	<input type="checkbox"/> Bengali – 01 <input type="checkbox"/> Chakma – 02 <input type="checkbox"/> Marma – 03 <input type="checkbox"/> Others – 04	_ _
Level of Education	<input type="checkbox"/> Junior High School – 01 <input type="checkbox"/> SSC – 02 <input type="checkbox"/> HSC – 03 <input type="checkbox"/> Undergrad – 04 <input type="checkbox"/> Postgrad – 05 <input type="checkbox"/> Others – 06	_ _
Occupation Status	<input type="checkbox"/> Student – 01 <input type="checkbox"/> Self-employed – 02 <input type="checkbox"/> Farmer – 03 <input type="checkbox"/> Service – 04 <input type="checkbox"/> Postgrad – 05 <input type="checkbox"/> Others – 06	_ _
Monthly Income Status	<input type="checkbox"/> 0 to 3,000 – 01 <input type="checkbox"/> 3,001 to 6,000 – 02 <input type="checkbox"/> 6,001 to 10,000 – 03 <input type="checkbox"/> 10,001 to 15,000 – 04 <input type="checkbox"/> 15,001 to 20,000 – 05 <input type="checkbox"/> 20,001 to 25,000 – 06 <input type="checkbox"/> 25,001 to 30,000 – 07 <input type="checkbox"/> 30,001 to 35,000 – 08 <input type="checkbox"/> 35,001 and above – 09	_ _
Are you a land owner	<input type="checkbox"/> Yes – 01 <input type="checkbox"/> No – 02	_ _

Basic Information on Water		
Do you have streams / springs in your locality or surrounding area?	<input type="checkbox"/> Yes – 01 <input type="checkbox"/> No – 02	_ _
What water sources do you currently have?	<input type="checkbox"/> Tubewell <input type="checkbox"/> Stream <input type="checkbox"/> Spring <input type="checkbox"/> Pond <input type="checkbox"/> Lake	

	<input type="checkbox"/> Rainwater <input type="checkbox"/> Others	
What is your main source of water?	<input type="checkbox"/> Tubewell - 01 <input type="checkbox"/> Stream - 02 <input type="checkbox"/> Spring - 03 <input type="checkbox"/> Pond - 04 <input type="checkbox"/> Lake - 05 <input type="checkbox"/> Rainwater - 06 <input type="checkbox"/> Others - 07	_ _
If others, what are they?		
Do you know what springs are?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
If yes, how many springs do you think there are at Pablakhali?	<input type="checkbox"/> 0-5 - 01 <input type="checkbox"/> 6-10 - 02 <input type="checkbox"/> 11-15 - 03 <input type="checkbox"/> 16-20 - 04 <input type="checkbox"/> 20 and above - 05	_ _
Do you know the source of this water?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
Do you know what streams are?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
If yes, how many springs do you think there are at Pablakhali?	<input type="checkbox"/> 0-5 - 01 <input type="checkbox"/> 6-10 - 02 <input type="checkbox"/> 11-15 - 03 <input type="checkbox"/> 16-20 - 04 <input type="checkbox"/> 20 and above - 05	_ _
Do you know the source of this water?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
Is the availability of water same throughout the year?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
If no, which season provides the most amount of water?	<input type="checkbox"/> Summer - 01 <input type="checkbox"/> Monsoon - 02 <input type="checkbox"/> Winter - 03 <input type="checkbox"/> Spring - 04	_ _
If no, which season provides the least amount of water?	<input type="checkbox"/> Summer - 01 <input type="checkbox"/> Monsoon - 02 <input type="checkbox"/> Winter - 03 <input type="checkbox"/> Spring - 04	_ _

Do you think the streams are becoming seasonal?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
If yes, what do you think the problem is?		
What do you think are the possible solutions are?		
What are the methods that you use for getting water in the lean seasons?		
Do you think that restoration of natural streams / springs can address these problems?		
Do you think solving these problems can be feasible?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
Are there any existing local practices that you have in your local areas?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	_ _
If yes, what are they?		
Are they sufficient enough to address water shortages and related problems?		

Drinking Water Use		
What is your main source of Drinking water?	<input type="checkbox"/> Tubewell - 01 <input type="checkbox"/> Stream - 02	_ _

	<input type="checkbox"/> Spring - 03 <input type="checkbox"/> Pond - 04 <input type="checkbox"/> Lake - 05 <input type="checkbox"/> Rainwater - 06 <input type="checkbox"/> Others - 07	
Are you getting sufficient drinking water throughout the year?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	
If no, which season provides the least amount of water?	<input type="checkbox"/> Summer - 01 <input type="checkbox"/> Monsoon - 02 <input type="checkbox"/> Winter - 03 <input type="checkbox"/> Spring - 04	
How do you manage water in this season?		
What are the most difficult challenges of acquiring water in this season?		
Who in your family manages water in crisis?		

Household Water Use		
What is your main source of water for household use?	<input type="checkbox"/> Tubewell - 01 <input type="checkbox"/> Stream - 02 <input type="checkbox"/> Spring - 03 <input type="checkbox"/> Pond - 04 <input type="checkbox"/> Lake - 05 <input type="checkbox"/> Rainwater - 06 <input type="checkbox"/> Others - 07	
Are you getting sufficient water for household use throughout the year?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	
If no, which season provides the least amount of water?	<input type="checkbox"/> Summer - 01 <input type="checkbox"/> Monsoon - 02 <input type="checkbox"/> Winter - 03 <input type="checkbox"/> Spring - 04	
What are the most difficult challenges of acquiring water in this season?		

How do you overcome these problems?	
Who in your family manages water in crisis?	

Water Use for Economic Sector		
How do you use water in the economic sector?	<input type="checkbox"/> Agriculture - 01 <input type="checkbox"/> Livestock - 02 <input type="checkbox"/> Crafts - 03 <input type="checkbox"/> Others - 04	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
If others, what is it?		
If agriculture, what are crops that are cultivated during the year?	<input type="checkbox"/> Wheat - 01 <input type="checkbox"/> Paddy - 02 <input type="checkbox"/> Jum - 03 <input type="checkbox"/> Vegetables - 04 <input type="checkbox"/> Tobacco - 05 <input type="checkbox"/> Others - 08	
If others, what is it?		
How many times the agricultural lands are irrigated (Based on crops)?	<input type="checkbox"/> Once - 01 <input type="checkbox"/> Twice - 02 <input type="checkbox"/> Thrice - 03 <input type="checkbox"/> Four times - 04	
What is your main source of water for Economic use?	<input type="checkbox"/> Tubewell - 01 <input type="checkbox"/> Stream - 02 <input checked="" type="checkbox"/> Spring - 03 <input type="checkbox"/> Pond - 04 <input type="checkbox"/> Lake - 05 <input type="checkbox"/> Rainwater - 06 <input type="checkbox"/> Others - 07	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Are you getting sufficient water for economic use throughout the year?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
If no, which season provides the least amount of water?	<input type="checkbox"/> Summer - 01 <input type="checkbox"/> Monsoon - 02 <input type="checkbox"/> Winter - 03 <input type="checkbox"/> Spring - 04	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

How do they irrigate their land during the dry seasons?	
What are the most difficult challenges of acquiring water in this season?	
How do you overcome these problems?	

Cultural and Institutional Aspect		
Is water culturally significant?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	
If yes, how?		
Do they have any community based organizations for water management?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	
If yes, how active are they?	<input type="checkbox"/> Very active - 01 <input type="checkbox"/> Sometimes - 02 <input type="checkbox"/> Mostly Inactive - 03 <input type="checkbox"/> Not active - 04	
Is there any Govt. institution for water management in the local area?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	
If yes, how active are they?	<input type="checkbox"/> Very active - 01 <input type="checkbox"/> Sometimes - 02 <input type="checkbox"/> Mostly Inactive - 03 <input type="checkbox"/> Not active - 04	
Is there any other NGO working in your area?	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	
If yes, how active are they?	<input type="checkbox"/> Very active - 01 <input type="checkbox"/> Sometimes - 02 <input type="checkbox"/> Mostly Inactive - 03 <input type="checkbox"/> Not active - 04	
Do you face any discrimination from	<input type="checkbox"/> Yes - 01 <input type="checkbox"/> No - 02	

any water management authority?		
If yes, how?		
Who do you think can help you the most in water management?	<input type="checkbox"/> Government – 01 <input type="checkbox"/> NGO – 02 <input type="checkbox"/> Community – 03 <input type="checkbox"/> Others – 04	_ _
If others, what and how?		
What kind of support do you get from the above stakeholders (government, NGO, Community leaders etc)?		
Do you have any message that you like to share with any specific stake holders (government, NGO, Community leaders etc)?		
How do you feel about Biodiversity Conservation... Rangamati District's initiative?		