



# INTEGRATED PROTECTED AREA CO-MANAGEMENT (IPAC)

Feasibility Report on Bamboo Supply Chain  
in Central Cluster (Modhupur)

August 18, 2009 – August 20, 2009

**December 2009**

This report is made possible by the support of the American People through the United States Agency for International Development (USAID). The contents of this report are the sole responsibility of International Resources Group (IRG) and do not necessarily reflect the views of USAID or the United States Government.

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**USAID Contract N° EPP-I-00-06-00007-00**

Order No : EPP-I-01-06-00007-00

*Submitted to :*

**USAID/Bangladesh**

*Prepared by:*

**Oasis Transformation Ltd.**

*Submitted for :*

**International Resources Group (IRG)**

With subcontractors:

WWF-USA, dTS, East-West Center

Environmental Law Institute, Epler-Wood International

World Fish Center, CIPD, RDRS, CODEC

BELA, Asiatic M&C, Oasis Transformation

Module Architects, IUB/JU



**International Resources Group**

12 11 Connecticut Avenue, NW, Suite 700

Washington, DC 20036

202-289-0100 Fax 202-289-7601

[www.irglttd.com](http://www.irglttd.com)

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## EXECUTIVE SUMMARY

This report contains a feasibility of bamboo semi processed raw material supply for Nilphamari plant from central cluster of the IPAC project. It is based around similarity of bamboo variety and characteristics between Nilphamari and Madhupur, interest of bamboo growers to develop and manage bamboo resources and willingness of Artisan's to work with IPAC project. Accessibility, transport options, bamboo price, labor wages also included.

It was found that Madhupur area can be a good raw material source for Nilphamari plant. Plenty of bamboos are available which are suitable for Nilphamari plant. The Local communities seem willing to develop and manage bamboo to maximize their extra income. Artisans are presently involved with some local organization and working on a contract basis. They have expertise to make bamboo mats and other bamboo products as well. Producers have a willingness to work with IPAC. Productivity is comparatively less. Bamboo price is less than Nilphamari price. Labor wages are about the same between Madhupur and Nilphamari. Bamboo is accessible but trucking is the only transport option.

Recommendations are made to move ahead with a pilot effort for preprocessing of bamboo and to set up a facility in order to develop the supply chain for Nilphamari plant by October 2009. Training is needed on bamboo development, propagation, cultivation, management and preprocessing for pilot production.

## OUTCOME

Identify feasibility of bamboo supply for Nilphamari plant.

## OBJECTIVES

This feasibility includes the following:

1. Is the Madhupur bamboo variety (Tolla and/or other) similar to Nilphamari variety (Makhla) and suitable for our product?
2. Are the bamboo growers willing to develop and manage bamboo resource and sell under IPAC project?
3. Are the bamboo artisans willing to work under IPAC project?
4. Is the price of Madhupur bamboo similar to Nilphamari? Is this cost effective?
5. Is the wages for skilled, semi-skilled, and unskilled labor competitive?
6. Is the bamboo accessible?
7. What about transport options and cost from Madhupur to Nilphamari?

## LOCATION AND DATES

Visiting location and dates

Cluster Name	Name of location	Visiting date
Central Cluster (Madhupur)	Baptist Church (Pirgacha), (Meeting with bamboo growers)	18 <sup>th</sup> August 2009
	Tematha, (Pirgacha) (Meeting with bamboo producers and traders)	19 <sup>th</sup> August 2009
	Bormon para (Pirgacha) (Meeting with daily labour)	20 <sup>th</sup> August 2009

	Transport owner association of Madhupur	
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## TARGET GROUP

Bamboo growers, artisans, producers, traders, daily labor, local community.

## METHODOLOGY

### **1. Feasibility on bamboo: similar variety between Madhupur and Nilphamari**

Feasibility was done on bamboo varieties in villages and buffer zone areas around PA of Madhupur about variety. We brought some bamboo species from Madhupur to OTL office and tested in lab.

### **2. Willingness of bamboo growers to develop and manage bamboo resource and sell under IPAC project**

Feasibility was done on villagers and bamboo growers who live around protected area. Two locations are being covered in Madhupur. Target group was inhabitants of Protected Areas (PA's) and Adjacent Areas (bamboo growers group and local influential/community).

### **3. Feasibility on bamboo artisans willingness to work under IPAC project**

Feasibility was done on local producers existing general skills, technology for bamboo and what do they do for their livelihood and willingness to work under IPAC project by meeting with two communities/artisan's groups in Madhupur and discussion with IPAC staffs.

### **4. Feasibility on price of bamboo between Madhupur and Nilphamari and cost effectiveness**

Feasibility was done on bamboo price in Madhupur and Nilphamari and cost effectiveness between these two places by meeting with local bamboo traders, communities, informal interviews and conversation with project manager of Oasis Transformation in Nilphamari.

### **5. Feasibility on wages for skilled, semi-skilled and unskilled labor competitiveness between Madhupur and Nilphamari**

Feasibility was done on wages for skilled, semi-skilled and unskilled labor competitiveness between Madhupur and Nilphamari through meeting with local producers and labors and conversation with project manager of Oasis Transformation Ltd. in Nilphamari.

### **6. Feasibility on transport options and cost from Madhupur to Nilphamari and accessibility of bamboo in Madhupur**

Feasibility was done on transport cost from Madhupur to Nilphamari by an interview with an employee of Transport owner association in Madhupur and IPAC staff.

## RESULTS

### 1. Feasibility on bamboo: similar variety between Madhupur and Nilphamari

Area	Variety
Madhupur	Tolla/Borak/Raja
Nilphamari	Makhla

### 2. Willingness of bamboo growers to develop and manage bamboo resource and sell under IPAC project

Bamboo growers are interested to develop and manage bamboo resource and sell in collaboration with IPAC project.

### 3. Feasibility on bamboo artisan's willingness to work under IPAC project

Bamboo artisans are available in Madhupur area. They have skill on mat, basket and various household products. They are happy to work under IPAC.

### 4. Feasibility on price of bamboo between Madhupur and Nilphamari and cost effectiveness

Area	Species	Price
Madhupur	Tolla/Borak	50-80/110-180
Nilphamari	Makhla	100-120

### 5. Feasibility on wages for skilled, semi-skilled and unskilled labor competitiveness between Madhupur and Nilphamari

Area	Skilled (BDT)	Semi-skilled	unskilled
Madhupur	Tk 4500	3500-4000	3000
Nilphamari	Tk 4500	3600	3600

### 6. Feasibility on transport options and cost from Madhupur to Nilphamari and accessibility of bamboo in Madhupur

Only trucking is available for transport from Madhupur to Nilphamari and cost is Tk 8500-10000. Bamboo is accessible.



## CONCLUSION

### **1. Feasibility on bamboo: similar variety between Madhupur and Nilphamari**

Tolla and Makla are similar type of bamboo. Oasis can process Tolla bamboo for Nilphamari plant. We have to manage matured Tolla bamboo rather than unripe bamboo.

### **2. Willingness of bamboo growers to develop and manage bamboo resource and sell under IPAC project**

Very high volume growth of Tolla/Moral. Quality of bamboo is good both in forest and homestead areas. Local community is happy to manage and develop their bamboo resources under IPAC. They need bamboo management and cultivation training.

### **3. Feasibility on bamboo artisans willingness to work under IPAC project**

Bamboo artisans are available in Madhupur. Many artisans are involved with other organization and NGOs. They have the skills to produce quality mat. They are happy to work on a contract basis at the moment.

### **4. Feasibility on price of bamboo between Madhupur and Nilphamari and cost effectiveness**

Pricing of bamboo from Madhupur and Nilphamari indicates that bamboo price of Madhupur will be cost effective for Nilphamari plant.

### **5. Feasibility on wages for skilled, semi-skilled and unskilled labor competitiveness between Madhupur and Nilphamari**

Madhupur and Nilphamari wages are about the same. Semi skilled people are able to produce bamboo mat.

### **6. Feasibility on transport options and cost from Madhupur to Nilphamari and accessibility of bamboo in Madhupur.**

Transport is available in Madhupur. Transport cost does not fluctuate much. Everyday pineapples, bamboos are loaded into trucks in Madhupur and going to every city in Bangladesh. Bamboo is also very good business in Madhupur.

## APPENDIX-I

### **Team members**

1. Christopher Sarker, BDM, IPAC – Oasis Transformation Ltd.
2. Mohammad Kamruzzaman, BDA, IPAC-Oasis Transformation Ltd.
3. Nekbar Ali, BDA, IPAC- Oasis Transformation Ltd.
4. Shitol Kumar Nath, Site Coordinator, IPAC/RDRS
5. Parvez Kamal Pasha, IPAC/RDRS

## APPENDIX - 2

### List of participants:

Participants list of Bamboo grower (Meeting-1)

Visit Date: August 18, 2009

Sl.No.	Name	Address	Sl. No.	Name	Address
1	Narayan Babu	Timatha, Pargacha	8	Adhir	Timatha, Pargacha
2	Hemarshan	Timatha, Pargacha	9	Toron Coach	Timatha, Pargacha
3	Sunil	Timatha, Pargacha	10	Borot Coach	Timatha, Pargacha
4	Sankar	Timatha, Pargacha	11	Sorot Coach	Timatha, Pargacha
5	Elman Mia	Timatha, Pargacha	12	Bablu	Timatha, Pargacha
6	Pasha	Gasabari	13	Saiva	Pargacha
7	Anneshon	Pargacha	14	Misinda	Pargacha

Participants list of Bamboo grower (Meeting-2)

Visit Date: August 18, 2009

Sl.No.	Name	Address	Sl. No.	Name	Address
1	Sandha Risil	Chunia	6	Birola Bisil	Chunia
2	Shefali	Chunia	7	Chandan	Chunia
3	Amil	Chunia	8	Nironjon	Chunia
4	Pindu	Chunia	9	Toroti Risil	Uttar Chunia
5	Anjoni	Chunia	10	Beli	JalSatra

Participants list of Bamboo producer (Meeting-3)

Visit Date: August 19, 2009

Sl.No.	Name	Address	Sl. No.	Name	Address
1	Shila Hagidak	Mahishmara	8	Lobita	Banaria
2	Utfala Chiran	Daborpara	9	Shikha Chiran	Pargacha
3	Zetmi Mri	Pargacha	10	Shima Chiran	Pargacha
4	Kanchan Hagidak	Banaria	11	Nayani Bormon	Pargacha
5	Keya Hagidak	Banaria	12	Madhuri Chiran	Pargacha
6	Biplop Nagarek	Pargacha	13	Uzzal	Pargacha
7	Bablu Nokorek	Pargacha			

Participants list of Bamboo producer (Meeting-4)

Visit Date: August 19, 2009

Sl.No.	Name	Address	Sl. No.	Name	Address
1	Neshon Nakrek	Chunia	8	Rupali Coach	Pargacha
2	Asha Daru	Chunia	9	Shubi Coach	Pargacha
3	Zinita Dalbot	Chunia	10	Liar Nokrek	Pargacha
4	Sucharita Mri	Chunia	11	Srikanta Chiran	Pargacha
5	Miti Nokrek	Chunia	12	Marzita Mri	Chunia
6	Herina Mri	Chunia	13	Samuel Rekha	Pargacha
7	Panna Nokrek	Pargacha	14	Sumesh Nakrek	Hagura Kuri

Participants list of Bamboo trader (Meeting-5)

Visit Date: August 19, 2009

Sl.No.	Name	Address	Sl. No.	Name	Address
1	Sri Kanchian	Pargacha	7	Liton Chandra	Pargacha
2	Narayan Coach	Pargacha	8	Zoed Ali	Pargacha
3	Nirmol Coach	Pargacha	9	Mohen Coach	Pargacha

4	Nakul Coach	Pirgacha	10	Mdhap Coach	Pirgacha
5	Fanindra Coach	Pirgacha	11	Kartik Coach	Pirgacha
6	Amzat	Hamra Kuri	12	Sharat Coach	Pirgacha

Participants list of daily labour (Meeting-6)

Visit Date: August 20, 2009

Sl.No.	Name	Address	Sl. No.	Name	Address
1	Jotsna Barmon	Pirgacha	6	Shuva Bormon	Pirgacha
2	Satta Rani	Pirgacha	7	Anita Bormon	Pirgacha
3	Basonti Bormon	Pirgacha	8	Momota Rani	Pirgacha
4	Sipali Bormon	Pirgacha	9	Rupashi Bormon	Pirgacha
5	Sazani Bormon	Pirgacha	10	Sandha Bormon	Pirgacha

## APPENDIX-3

### Pictures



