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INTEGRATED PROTECTED AREA CO-MANAGEMENT (IPAC)

WORKSHOP ON IN-HOUSE CARBON PROJECT DEVELOPMENT: LEARNING FROM FIELD INVENTORY OPERATIONS

5 September 2010

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INTEGRATED PROTECTED AREA CO-MANAGEMENT (IPAC)

WORKSHOP ON IN-HOUSE CARBON PROJECT DEVELOPMENT: LEARNING FROM FIELD INVENTORY OPERATIONS

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Acronyms

BCAS	Bangladesh Center for Advanced Studies
BIDS	Bangladesh Institute of Development Studies
CCF	Chief Conservator of Forests
COP	Chief of Party
DCF	Deputy Conservator of Forests
DCOP	Deputy Chief of Party
DOF	Department of Fisheries
DOE	Department of Environment
EGFE	Economic Growth, Food and Environment
FD	Forest Department
FEJB	Forum of Environmental Journalists of Bangladesh
GOB	Government of Bangladesh
IPAC	Integrated Protected Area Co-Management
IUB	Independent University of Bangladesh
MOEF	Ministry of Environment and Forests
PA	Protected Area
PMARA	Performance Monitoring and Applied Research Associate
REDD	Reduction of Emissions from Deforestation and Forest Degradation
UNDP	United Nations Development Program
USAID	United States Agency for International Development

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Purpose

The main purpose of this half day workshop was to host an experience sharing session for the participants of field inventory teams, a part of Carbon Projects Development, comprising of FD staff, University Students and IPAC staff who worked at 8 different forest PAs at different time intervals. Certificates to recognize their contribution in the Carbon Projects Development were handed out to the field inventory teams by higher officials of participating organizations during the event. The field inventory operations were followed by a 3 week long Writeshop on 'Land-Use Carbon Projects Development' to provide training on report preparation utilizing the collected field data. A total of 13 participants from FD, DOF and DOE attended the Writeshop. These participants received certificates from the Secretary of MOEF during the event for successfully completing the Writeshop.

Participants

Representatives from FD
Representatives from DOF
Representative from DOE
Representative from Arannayk Foundation
Representatives from WorldFish Center
Representative from BCAS
Representative from UNDP
Representative from BIDS
Representative from FEJB
Students from Khulna University, Chittagong University and Jahangirnagar University
Lecturer from IUB
IPAC cluster staff

Opening Session

Mr. Ishtiaq Uddin Ahmad, CCF

The CCF inaugurated the workshop with a welcome address expressing his appreciation towards the attendees of the workshop. He expressed his gratitude for the participants of the Writeshop who are preparing Project Proposals on Carbon Projects. The CCF explained that this is the first time in Bangladesh that a Project Proposal Writeshop for Carbon Projects took place and it is a fruitful initiative. He expressed his intention of submitting the Carbon Project Proposals, prepared in this Writeshop, in the international market after they are properly reviewed by the experts, a matter of few months, to receive funds and initiate various Carbon Projects in Bangladesh. He acclaimed the work of the field inventory teams who overcame several obstacles including unfavorable weather but still managed to successfully complete the inventory work in a timely manner. He thanked the field teams for their efforts and asked them to continue this trend of success in future initiatives. In closing, he thanked the Secretary of MOEF for his

continuous support in making the Writeshop a success and thanked all attendees of the workshop.

Dr. Mihir Kanti Majumder, Secretary, MOEF

The Secretary thanked all participating organization involved in Carbon Project Development including FD, DOF, DOE, UNDP, IPAC and USAID. He extended his gratitude towards Mr. Todd Johnson, Forest Carbon Specialist, IRG/Washington and Dr. Yoon Kim, IRG/Washington for leading the Writeshop and providing participants with valuable knowledge on Project Proposal writing. He added that this Writeshop will lead to proposals that can be submitted internationally and open up opportunities for Bangladesh to receive international funding to initiate different Carbon Projects. “Forests not only consume carbon but also release it back into the atmosphere as 20% of Carbon released comes from decaying trees” explained Dr. Majumder. He expressed his concern about other countries reserving space in foreign lands for their development and the economic inability of Bangladesh to do so. He suggested that Bangladesh should build its capacity in the aspects of adaptation and mitigation to impacts of Climate Change.

He informed that the GOB has plans to start a Climate Change department to address various issues regarding Climate Change. He informed about the country’s 3000 cyclone shelters, Bangladesh Climate Change Strategy and Action Plan, Climate Change Resilience Fund and Mutual Trust Fund as part of adaptation and mitigation measures. He also informed about a Climate Change Fellowship will be provided by the GOB for students who are interested in conducting research in different issues associated with Climate Change. In closing, he mentioned about the vulnerability of Bangladesh to impacts of Climate Change and extended his gratitude towards the participants and organizers of the workshop.

Mr. Naren Chanmugam, Director EGFE, USAID

He thanked the participants for attending the workshop. He explained how pleased he is with USAID’s involvement in Carbon Projects Development as such initiatives are taking place for the first time in Bangladesh. He mentioned that such initiatives are in compliance to the Bangladesh Climate Change Strategy and Action Plan. In closing, he considered the Writeshop to be a valuable tool which will help in Carbon Projects Development and thanked everyone for their participation.

Dr. Ram A. Sharma, DCOP, IPAC

He thanked everyone at the workshop for their presence. He shared information about previous Forest Carbon Inventory activities in Bangladesh especially in Sundarbans under different organizations but this is the first time that the GOB partnered with an organization like IPAC to undertake Carbon Inventory in 8 Forest PAs of Bangladesh. He also mentioned that capacity building of FD staff took place on a significant level through the Writeshop. He spoke about the three phases involved with Carbon Projects Development starting with Phase I that introduced concepts of Carbon Stocks, Carbon Trading and REDD to the participants; Phase II on training

in data collection, measurement and analysis; and finally Phase III which included practical field experience and the Writeshop and eventual development of Carbon Project Proposals which will be submitted for funding.

Certificate Distribution Ceremony

Dr. Mihir Kanti Majumder, Secretary, MOEF handed out certificates to the 13 participants of the Writeshop on Land-Use Carbon Project Development which included 10 participants from FD, 2 from DOF and 1 from DOE for successfully completing the Writeshop.

Mr. Ishtiaq Uddin Ahmad, CCF handed out certificates to the students from Khulna University, Chittagong University and Jahangirnagar University for their active participation in the Carbon Field Inventory Operations.

FD staff from different areas of Bangladesh received certificates for completing the Carbon Field Inventory Operations from Dr Md. Assaduzzaman, Research Director, BIDS; Mr. Reed Merrill, COP, IPAC Project; and Dr. Yoon Kim, IRG/Washington.

Dr. Ram A. Sharma, DCOP, IPAC Project handed out certificates to 3 PMARAs of IPAC Project for their support and participation during the Field Inventory Operations. Some of the participants could not attend the ceremony and received their certificates after the workshop.

A complete list of certificate recipients can be found in Annex I and II.

Learning from Field Experiences

FD Representative

Mr. Imran Ahmed, DCF, Khulna Division spoke on behalf of FD Staff who participated in the Field Inventory Operations. He was the team leader in the Sundarbans area where the Inventory took place. He mentioned the different hardships faced by the teams during the Inventory. “The rainy season was not ideal for the inventory work but the field teams continued their work through hardship” mentioned the DCF. He thanked the members of the field teams for their hard work and support and expressed his gratitude towards IPAC for providing certificates to acknowledge the hardship of the field teams. He also mentioned that the 3 week long Writeshop was very useful and it led to the preparation of Carbon Project Proposals which need some revisions and more review time before they are finalized and submitted. In closing, he thanked everyone for their support and attendance at the workshop.

University Representative

Md. Mizanur Rahman Choudhury from Khulna University spoke on behalf of the university students involved in the Field Inventory Operations. He expressed pride for university students being a part of the Carbon Project Development process and thanked involved organizations for giving them that opportunity. He mentioned that although different hardships were present, they managed to gain valuable information and experience by participating in Field Inventory Operations. He mentioned that agriculture and livestock sectors have cadre services but such

services do not exist for forest sector. Agriculture, fisheries and livestock sectors have offices in upazila level but the forestry sector is lagging behind in this sector. Students have limited opportunities in forest sector and anyone can be a part of this sector irrespective of their background, he requested that the forest sector should be made exclusive to forestry graduates.

IPAC Field Staff Representative

Mr. Omar Sharif, PMARA, Sylhet Cluster, IPAC Project spoke on behalf of IPAC Field Staff. He thanked all members of the IPAC team for their support during the field inventory operations. He provided his support to the inventory teams during field teams and also assisted in the data entry operations after data collection was completed. He also mentioned how unfavorable the weather was due to rainy season but still they managed to complete the inventory operations. He acknowledged the support provided by university students during the field inventory operations as they were very helpful and enthusiastic about the entire work. In closing, he thanked everyone for their support and making the field inventory operations a success.

Closing Session

Dr. Yoon Kim, IRG/Washington

She talked about the ways forward for developing carbon proposals and considered the entire Carbon Project Development to be an initiation for future REDD Strategy implementation. She mentioned about consolidating the documents prepared during the Writeshop with additional feedback from the field level operations which will be reviewed by her and by Mr. Todd Johnson to further enhance the Project Proposals before final submission.

Mr. Reed Merrill, COP, IPAC Project

He appreciated the comments from field teams and apologized for the inconveniences caused due to logistical limitations. He mentioned that suggestions from the field teams will strengthen similar future activities. The Carbon Project Development will significantly contribute to the capacity build up at national and regional level and act as technical resources after finalization. Carbon Project Proposals will bring in financial opportunities that will help in Carbon Strategy implementation. He thanked all participants, resource persons, organizations, government representatives and IPAC team members for making the entire Carbon Project Development process a success.

Open Discussion

An open discussion session was held where participants from field inventory operations and Writeshop spoke about their experiences and shared information regarding Carbon Projects Development. The excerpt of that session is provided below:

- Local villagers at the PAs provided support to the field inventory teams and they should be acknowledged for it. This statement was supported by several FD staff.

- The students played a vital role in the inventory operations as their support lead to the success of each field operation.
- During field inventory operations and field activities in general it is difficult to gain access to any computer; therefore a suggestion was made for the provision of laptops for project purpose to field teams.
- One complaint received from field inventory operations was the lack of timely logistic support from partner organizations. In addition, field teams often had to visit CODEC offices for their equipment required at field level. This created a nuisance for field teams and delayed field operations.
- A request was made highlighting how the rainy season is unfavorable for such field activities and in future special considerations should be made so that the right season is selected prior to field operations.
- A suggestion also came out about utilizing the experienced students in future inventory operations thereby reducing the need to train up new individuals. This is based on the assumption that the students are still willing to work for such operations in future.
- All members of field inventory teams considered the field operations to be unique, holding great experience and value.
- Field inventory teams received extra motivation to work with the visit of IPAC DCOP and the CCF to several inventory locations. The DCOP and CCF appreciated the work of field teams on location and encouraged the teams to continue at the same pace.
- IPAC field staff expressed their concern that at some occasions they were not able to provide full support to the field teams but informed that they learned a lot during field operations.
- FD staff appreciated the innovative ideas of the field teams in overcoming obstacles that seemed almost impossible.
- The Writeshop created a learning experience for all participants and nostalgic feeling of being back in school was brought upon by this experience.
- DOE and DOF representatives could not participate in field inventory operations but were present during the Writeshop. Due to their absence at field level, they had certain difficulties in understanding the subject matter initially.
- DOF representatives were eager to know if similar modules of carbon inventory existed for wetlands as two-third of Bangladesh is covered by water bodies and wetland carbon

inventory should be considered in the future. At present, there are no tools to measure wetland carbon.

In closing, all participants shared the difficulties they faced during the inventory operations but also expressed how fruitful the work now seems to be. Higher officials present at the sessions explained how this event is not the end of the initiative but rather the beginning as participants have gained knowledge to start working and make new strides in the Carbon Projects Development field.

Annex – I

Workshop Certificate Recipient List

Sl#	Name	Designation	Organization
1	Md. Rezaul Sikder	Divisional Forest Officer, Wildlife and Nature Conservation Division, Dhaka	Forest Department
2	Ashit Ranjan Paul	Divisional Forest Officer, Tangail Forest Division, Tangail	Forest Department
3	Imran Ahmed	Deputy Conservator of Forests, Khulna Circle, Boyra, Khulna	Forest Department
4	Md. Zahidur Rahman Miah	Assistant Conservator of Forests, Kaptai National Park, Kaptai, Rangamati	Forest Department
5	Md. Masud Rana	Assistant Conservator of Forests, Cox's Bazar (North) Forest Division, Cox's Bazar	Forest Department
6	Md. Motlubur Rahman	Assistant Conservator of Forests, Sylhet Forest Division, Sylhet	Forest Department
7	Md. Maksud Alam	Assistant Conservator of Forests, Chittagong South Forest Division, Chittagong	Forest Department
8	Md. Abdur Rahman	Assistant Conservator of Forests, Cox's Bazaar (South) Forest Division, Cox's Bazaar	Forest Department
9	Quazi Md. Nurul Karim	Assistant Conservator of Forests, Wildlife and Nature Conservation Division, Sylhet, Moulvibazar	Forest Department
10	Md. Anwar Hossain Sarker	Assistant Conservator of Forests, Chittagong (North) Forest Division, Chittagong	Forest Department
11	Md. Ahsan Hasib Khan	Upazila Fisheries Officer, Tahirpur, Sunamganj	Department of Fisheries
12	Fanindra Chandra Sarker	Upazila Fisheries Officer, Kulaura, Moulvibazar	Department of Fisheries
13	Nur Alam	Research Officer	Department of Environment
14	Md. Fazlul Haq	Forest Ranger, Wildlife and Nature Conservation Division, Dhaka	Forest Department

Annex – 2

Field Inventory Certificate Recipient List

UNIVERSITY STUDENTS			
Sl#	Name of the Student	University	Time Period
SUNDARBAN RESERVE FOREST			
1	*Jamiul Alam	Khulna University (Forestry & Wood Technology Discipline)	Dec 5, 2009 – Apr 26, 2010
2	*Md. Mizanur Rahman	Khulna University (Forestry & Wood Technology Discipline)	Dec 5, 2009 – Apr 20, 2010
3	*Mihir Lal Sarder	Khulna University (Forestry & Wood Technology Discipline)	Dec 5, 2009 – Apr 26, 2010
4	*Elias	Khulna University (Forestry & Wood Technology Discipline)	Dec 5, 2009 – Apr 20, 2010
REMA-KALENGA WILDLIFE SANCTUARY			
5	*Jamiul Alam	Khulna University (Forestry & Wood Technology Discipline)	Apr 23, 2010 – May 30, 2010
6	*Md. Mizanur Rahman	Khulna University (Forestry & Wood Technology Discipline)	Apr 23, 2010 – May 30, 2010
7	Md. Harun –or-Rashid	Khulna University (Forestry & Wood Technology Discipline)	Apr 23, 2010 – May 30, 2010
DUDPUKURIA-DHOPACHORI WILDLIFE SANCTUARY			
8	*Elias	Khulna University (Forestry & Wood Technology Discipline)	Apr 23, 2010 – July 8, 2010
9	Shamim Ahmed	Jahangirnagar University (Department of Zoology)	May 10, 2010 – July 8, 2010
10	Md. Masikur Rahman	University of Chittagong (Institute of Forestry & Environmental Sciences)	Apr 23, 2010 – May 8, 2010
INANI NATIONAL PARK			
11	Rajib Mahamud	University of Chittagong (Institute of Forestry & Environmental Sciences)	Apr 12, 2010 – June 20, 2010
12	Chhoton Barua	University of Chittagong (Institute of Forestry & Environmental Sciences)	Apr 12, 2010 – June 20, 2010

MEDHAKACHAPPIA & FASHIAKHALI NATIONAL PARK			
13	Tanmoy Sarkar	Khulna University (Forestry & Wood Technology Discipline)	Apr 25, 2010 – June 17, 2010
14	*Mihir Lal Sarder	Khulna University (Forestry & Wood Technology Discipline)	Apr 27, 2010 – June 17, 2010
SHITAKUNDU RESERVE FOREST			
15	Khandkar-Siddikur Rahman	Khulna University (Forestry & Wood Technology Discipline)	May 3, 2010 – May 30, 2010
16	Adnan Chowdhury	Khulna University (Forestry & Wood Technology Discipline)	May 3, 2010 – May 30, 2010
TEKNAF WILDLIFE SANCTUARY			
17	Ali Reza	University of Chittagong (Institute of Forestry & Environmental Sciences)	Apr 16, 2010 – June 10, 2010
18	Md. Shahin Alam	University of Chittagong (Institute of Forestry & Environmental Sciences)	Apr 16, 2010 – June 10, 2010

FOREST DEPARTMENT STAFF			
Sl#	Name	Designation	Time Period
SUNDARBAN RESERVE FOREST			
1	Imran Ahmed	Assistant Conservator of Forests, Social Forest Division, Comilla (Team leader in inventory)	Dec 5, 2009 – Apr 30, 2010
2	Md. Towfiqul Islam	Assistant Conservator of Forests, Social Forest Division, Faridpur (Team leader in inventory)	Dec 5, 2009 – Apr 30, 2010
3	Md. Aslam Majumder	Forest Ranger, Sundarban West Forest Division	Dec 5, 2009 – Apr 30, 2010
4	Md. Moniruzzaman	Deputy Ranger, Sundarban West Forest Division	Dec 5, 2009 – Apr 30, 2010
5	Abu Naim Md. Nurunnabi	Forester, Wildlife and Nature Conservation Division, Khulna	Dec 5, 2009 – Apr 30, 2010
6	Md. Lutfar Rahman	Forester, Wildlife and Nature Conservation Division, Khulna	Dec 5, 2009 – Apr 30, 2010
7	Md. Abdul Khaleque	Forester, Sundarban West Forest Division	Dec 5, 2009 – Apr 30, 2010
8	Kamrul Hasan Patowary	Forester, Sundarban East Forest Division	Dec 5, 2009 – Apr 30, 2010
9	Md. Hiru Miah	Forest Guard (FG#91), Sundarban West Forest Division	Dec 5, 2009 – Apr 30, 2010
10	B.M. Mahtab Hossain	Boatman (BM#287), Sundarban West Forest Division	Dec 5, 2009 – Apr 30, 2010
11	Md. Mominur Sharif	Boatman (BM#384), Sundarban East Forest Division	Dec 5, 2009 – Apr 30, 2010

12	Md. Abdul Awal	Boatman (BM#193), Sundarban East Forest Division	Dec 5, 2009 – Apr 30, 2010
REMA-KALENGA WILDLIFE SANCTUARY			
13	Md. Motlubur Rahman	Assistant Conservator of Forests, Sylhet Forest Division, Sylhet (Inventory team leader)	Apr 23, 2010 – May 30, 2010
14	Md. Abu Hashem Chowdhury	Forester, Beat Officer, Shaltila Beat, Raghunandan Range, Sylhet Forest Division	Apr 23, 2010 – May 30, 2010
15	Md. Shahjahan Mizi	Forest Guard, Hobiganj -2 Range, Sylhet Forest Division	Apr 23, 2010 – May 30, 2010
DUDPUKURIA-DHOPACHORI WILDLIFE SANCTUARY			
16	Md. Maksud Alam	Assistant Conservator of Forests, Chittagong (South) Forest Division	Apr 23, 2010 – May 8, 2010
17	Md. Hamidul Islam	Forester, Dudpukuria Beat, Khurusia Range	Apr 23, 2010 – May 8, 2010
18	Md. Shahidul Haque	Forest Guard, Dudpukuria Beat, Khurusia Range	Apr 23, 2010 – May 8, 2010
19	Md. Abdul Quddus Mia	Forester, Kamlachari Beat, Khurusia Range	May 10, 2010 – May 30, 2010
20	Syed Shahamat Alam	Forest Guard, Kamlachari Beat, Khurusia Range	May 10, 2010 – May 30, 2010
21	Md. Mahadin Hossain	Forester, Dhopachari Beat, Dohazari Range	May 30, 2010 – July 8, 2010
22	Md. Shah E Alam	Forest Guard, Dhopachari Beat, Dohazari Range	May 30, 2010 – July 8, 2010
INANI NATIONAL PARK			
23	Md. Shahjahan	Forester, Beat Officer - Kalatali Beat, Cox's Bazar Range, Cox's Bazar (South) Forest Division	Apr 18, 2010 – June 20, 2010
24	Md. Kamruzzaman	Forest Guard, Cox's Bazar (South) Forest Division	Apr 18, 2010 – June 20, 2010
25	Md. Abdur Rahman	Assistant Conservator of Forests, Cox's Bazaar (South) Forest Division, Cox's Bazaar	Apr 18, 2010 – June 20, 2010
MEDHAKACHAPPIA & FASHIAKHALI NATIONAL PARK			
26	Md. Akhteruzzaman Khan	Forester, Fashiakhali Range, Cox's Bazar (North) Forest Division	Apr 25, 2010 – June 17, 2010
27	Md. Nurul Absar	Forest Guard, Fashiakhali Range, Cox's Bazar (North) Forest Division	Apr 25, 2010 – June 17, 2010
28	Md. Masud Rana	Assistant Conservator of Forests, Cox's Bazar (North) Forest Division, Cox's Bazar	Apr 25, 2010 – June 17, 2010
SHITAKUNDU RESERVE FOREST			
29	Md. Anwar Hossain Sarker	Assistant Conservator of Forests, Chittagong (North) Forest Division	Apr 18, 2010 – May 30, 2010

30	Md. Abdur Razzak	Forester, Sahar Range, Chittagong (North) Forest Division	Apr 18, 2010 – May 30, 2010
31	S.M. Masud Parvez	Forest Guard, Andharmanik Beat, Korerhat Range	Apr 18, 2010 – May 30, 2010
TEKNAF WILDLIFE SANCTUARY			
32	Md. Shariful Islam	Forester, Beat Officer, Rajarchara Beat, Shilkhali Range, Cox'sBazar (South) Forest Division	Apr 16, 2010 – June 10, 2010
33	Md.Keramat Ali	Forest Guard, Mouchoni Beat, Teknaf Range, Cox's Bazar (South) Forest Division	Apr 16, 2010 – June 10, 2010
34	Md. Abdus Sobhan	Forest Guard, Teknaf Beat, Teknaf Range, Cox'sBazar (South) Forest Division	Apr 16, 2010 – June 10, 2010
35	Md. Faridul Alam	Forest Guard, Rajarchara Beat, Shilkhali Range, Cox'sBazar (South) Forest Division	Apr 16, 2010 – June 10, 2010
36	Quazi Md. Nurul Karim	Assistant Convserator of Forests, Teknaf Cox's Bazar (South) Forest Division (Team leader in inventory)	Apr 16, 2010 – June 10, 2010

IPAC STAFF		
1	Kanailal Debnath	Performance Monitoring and Applied Research Associate Sundarbans Cluster
2	Shital Kumar Nath	Performance Monitoring and Applied Research Associate South Eastern Cluster
3	Mostofa Omar Sharif	Performance Monitoring and Applied Research Associate Chittagong Hill Tracts Cluster
4	Ruhul Mohaiman Chowdhury	Performance Monitoring Specialist IPAC Dhaka