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# INTEGRATED PROTECTED AREA CO-MANAGEMENT (IPAC)

SECOND YEAR – SECOND QUARTERLY PROGRESS REPORT

September 1 – November 30, 2009

**December 15, 2009**

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

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*Submitted By :*



International Resources Group (IRG)

With subcontractors:

WWF-USA, dTS, East-West Center

Environmental Law Institute, Epler-Wood International

The WorldFish Center, CIPD, RDRS, CODEC

BELA, Asiatic M&C, Oasis Transformation

Module Architects, IUB/JU

# Acronyms and Abbreviations

A&E	Architectural and Engineering
ACF	Assistant Conservator of Forests (post of Park Wardens)
ADB	Asian Development Bank
ADP	Annual Development Plan
AF	Arannayk Foundation
AIDAR	Agency for International Development Acquisition Regulations
AIG	Alternative Income Generation
BARI	Bangladesh Agricultural Research Institute
BAU	Bangladesh Agricultural University
BCDP	Bangladesh Cetacean Diversity Project (WCS project)
BELA	Bangladesh Environmental Lawyers Association
BRAC	Bangladesh Rural Advancement Committee
CCNs	Cooperating Country Nationals
CDM	Clean Development Mechanism
CHT	Chittagong Hill Tracts
CHTDF	CHT Development Facility (UNDP funded project)
CIPD	Center for Indigenous Peoples Development
CMC	Co-Management Committees and Councils
CMO	Co-Management Organization
CO	Contracting Officer
CODEC	Community Development Center
CONIC	Co-Managed Natural Interpretation Centre
CoP	Chief of Party
CTO	Cognizant Technical Officer
CWBMP	Coastal and Wetland Biodiversity Management Project
DC	District Council
DCoP	Deputy Chief of Party
DEC	Development Experience Clearinghouse
DFID	United Kingdom's Department for International Development
DFO	Divisional Forest Officer
DoE	Department of Environment
DoF	Department of Fisheries
DPA	Development Project Aid
DPP	Development Project Proforma
dTS	Development & Training Services, Inc.
EC	European Commission
ECA	Ecologically Critical Areas
ELI	Environmental Law Institute
ERD	Economic Relations Division, Ministry of Finance
EWC	East-West Center

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ECODIT Inc.	USAID-Bangladesh Environment Sector Assessment and Strategy Analysis
FAR	Federal Acquisition Regulation
FD	Forest Department
FRUG	Federation of Resource User Group
FUG	Forest User's Groups
GDA	Global Development Alliance
GEF	Global Environment Facility
GIS	Geographic Information Systems
GoB	Government of Bangladesh
HHs	Households
IARC	International Agricultural Research Centers
ICFS	Inland Capture Fisheries Strategy
ICRAF	International Center for Research in Agroforestry
IEC	Information, Education, Communication
IPAC	Integrated Protected Area Co-management
IQC	Indefinite Quantity Contract
IRG	International Resources Group
IUB	Independent University of Bangladesh
IUCN	International Union for Conservation of Nature
JU	Jahangirnagar University
KAP	Knowledge, Attitude and Practice
KM	Knowledge Management
LOI	Leaders of Influence
LDF	Landscape Development Fund
M&E	Monitoring and Evaluation
MACH	Management of Aquatic Ecosystems through Community Husbandry
MNP	Modhupur National Park
MoEF	Ministry of Environment and Forests
MoFL	Ministry of Fisheries and Livestock
MoL	Ministry of Land
MOU	Memorandum of Understanding
NAPA	National Adaptation Program of Action
NBSAP	National Biodiversity Strategy and Action Plan
NGOs	Non-Governmental Organizations
NRM	Natural Resources Management
NSP	Nishorgo Support Project
NWP	Nature, Wealth and Power
PA	Protected Area
PLACE	Prosperity, Livelihoods and Conserving Ecosystems (PLACE) IQC
PMP	Performance Monitoring Plan
PPP	Public Private Partnerships
ProAg	Program Agreement
PRSP	Poverty Reduction Strategy Paper

PCR	Project Completion Report
PRICE	Poverty Reduction by Increasing the Competitiveness of Enterprise
RDRS	Rangpur Dinajpur Rural Service
RFTOP	Request for Task Order Proposal
RMO	Resource Management Organizations
RPA	Reimbursable Project Aid
RUG	Resource User Groups
SEALS	Sundarban Environment And Livelihood Support (EC funded project)
SMEs	Small and Medium Enterprises
SOW	Statement of Work
SOPA	States of the Protected Areas of Bangladesh
TO CO	Task Order Contracting Officer
TOAB	Tourist Operators Association of Bangladesh
TPP	Technical Project Proforma
UNDP	United Nations Development Program
USAID	U.S. Agency for International Development
USG	United States Government
WCS	Wildlife Conservation Society
WFC	WorldFish Center
WWF	World Wildlife Fund

# Glossary

**Beel-** *floodplain depression, often seasonally connected to the wider river system by khals. Deeper parts may remain flooded throughout the year, acting as a dry season refuge for fish*

**Haor** – *extensive marsh*

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# Introduction

IPAC is designed to contribute to sustainable natural resource management and enhanced biodiversity conservation in targeted landscapes with the goal of preserving the natural capital of Bangladesh while promoting equitable economic growth and strengthening environmental governance. IPAC is being implemented by the Ministry of Environment and Forests, and Ministry of Fisheries and Livestock, through a consortium of partners led by International Resources Group.<sup>1</sup>

The technical support contract for the Integrated Protected Area Co-Management (IPAC) Project was awarded on June 4, 2008 by USAID/Bangladesh through the PLACE Indefinite Quantity Contract (IQC) through Task Order no. EPP-I-01-06-00007-00. The IPAC contract provides for technical advisory services and other support to be provided over a five year period (2008-2013) to GoB environment, forestry and fisheries agencies responsible for the conservation of Protected Areas in Bangladesh. The IPAC team is also working directly with key stakeholders at the local level support to the further development and scaling up of the collaborative management or co-management of Protected Areas in Bangladesh.

This sixth Quarterly Progress Report covers the period September–October– November 2009, or the second quarter of the second year of IPAC implementation. This report summarizes the accomplishments and completed activities of the past quarter and priorities interventions identified for the next quarter of project implementation (December 2009 to February 2010). Annexes for this report include details of the IPAC Activity Calendar, a list of recent reports and deliverables and updated data for the IPAC Performance Monitoring Plan indicators. For more information, please contact: IPAC, House 68 (2<sup>nd</sup> floor), Road 1, Block I, Banani, Dhaka 1213, Bangladesh tel. 880-2-987 3229 or visit [www.nishorgo.org](http://www.nishorgo.org).

# Summary of Progress

## Accomplishments and Successes

During the past quarter, IPAC made continued progress against our performance indicators. With the completion of mobilization of field staff and an initiation of site assessments and other support in five Clusters, we exceeded our targets with respect to areas brought under improved management. In addition to Kaptai National Park, new CMC have been formed in Khadimnagar National Park and MedhaKachapia National Park and a new RMO is being formed in Aura Bora Beel. GTZ has confirmed funding for the Chunoti participatory forest management project, and is also supporting community based wetlands management in Pabla District. With the drafting of revisions to Social Forestry Rules and preparation of draft Rules for Protection Areas and completion of the first certificate course for carbon project preparation, IPAC is making good progress with respect to performance indicators related to number of policies, laws and agreements in support of conservation and curriculums and training modules designed and taught.

Other highlights of the past quarter of IPAC project implementation activities included:

- Launching of entry fee collection in Lawachara, Satchuri, Chunoti and Teknaf / Mochoni Protected Areas

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<sup>1</sup> In addition to IRG, the IPAC team partners include: WWF-US, dTS, East West Center, ELI, Epler-Wood International, WorldFish Center, CIPD, RDRS, CODEC, BELA, Asiatic Communications, Oasis Transformation, Module Architects, Independent University of Bangladesh and Jahangirnagar University.



- Extension of training for weaving, construction of improved cook stoves, making of bamboo baskets, bamboo clump management and other AIG activities
- Organization of the first meeting of the Advocacy Group for Conservation of Forests and Wetlands
- Preparation and distribution of the IPAC newsletter, brochure, poster and updated fund raising booklet for the Lawachara CONIC
- Organization of popular theater and preparation of a student competition for the naming of the national system of co-managed Protected Areas
- Organization of training for Eco-Guides and on AIG Modules
- Mobilization of IRG's carbon finance specialist and collaboration with a team of seven specialists from the US Forest Service to develop and organize the Carbon Finance Policy Workshop and carbon inventory / project preparation certificate course
- Organization with the Forest Department of fieldwork for the carbon assessment in the Sundarbans, and preparation of the Sundarbans Strategic Management Plan and Master Plan for Infrastructure Development
- Fielding of a gender specialist to complete the gender assessment for IPAC
- Organization with DoF of two district level workshops to disseminate good practices in fisheries and wetlands co-management.

# Project Implementation

IPAC includes three main components to support the institutionalization and scaling up of a national network of co-managed Protected Areas:

1. **IPAC Strategic Framework:** Development of a coherent strategy for integrated protected areas co-management and biodiversity conservation, through support for constituency building; visioning, policy analysis and strategy development; partnership building for sustainable financing; and development of an outreach and communication strategy with a focus on awareness-raising.
2. **Capacity Building:** Building stakeholder and institutional capacity, through support for training to GOB national and local level staff, NGOs and rural communities; strengthening of existing training centers and development of new and innovative applied training courses; and development of local support services for integrated, participatory co-management.
3. **Site specific implementation:** Support implementation of co-management in Protected Areas to continue field testing and institutionalization of proven approaches for integrated PA co-management in existing and new aquatic and terrestrial protected areas; this will include the selection of additional sites to scale up the network of co-managed PA, and expanded support for alternative income generation activities, value chain strengthening, public-private partnerships, leveraged conservation financing and local level outreach to increase community interest in conservation and environmental stewardship, while contributing to improved welfare of rural communities through reduced vulnerability and increased adaptation to climate change, increased access to improved drinking water supplies and more secure and diversified livelihoods.

IPAC also supports **cross-cutting approaches** to take account of gender perspectives in natural resource management and to enhance gender mainstreaming processes, along with a focus on youth,

to improve the livelihoods of young people and to provide a solid future constituency for conservation.

During the first year of implementation of IPAC, the project team supported project activities organized to achieve results targeted by USAID for each of these three main components, with respect to increased economic benefit (wealth), strengthened governance (power, rights) and biodiversity conservation and improved natural resource management (conservation).

	<i><b>Governance</b></i>	<i><b>Conservation</b></i>	<i><b>Economic Growth</b></i>
<b>IPAC Strategy</b>	Policy and legal framework for co-management of PA system	Training and capacity building strategy	Entry fee , revenue, benefit sharing guidelines
<b>Capacity Building</b>	Establish, institutionalize national PA system	Certificate courses, foundation training	Promote public private partnerships, alliances
<b>Site Implementation</b>	CMC, RMO organization; support services network	Scale up landscape management plans and habitat restoration	Expand conservation enterprises and poverty reduction (RUG)

The following sections provide more details about activities implemented over the past quarter for each of the main components of IPAC.

## **Development and implementation of IPAC program strategy**

In order to integrate, institutionalize, scale up and sustain Protected Area co-management, a number of changes are needed in the policy, regulatory and institutional framework. This includes innovative new provisions for sustainable conservation financing, as well as strengthened agreements and increased economic incentives in support of PA co-management through the provision of clearer rights and increased benefits for local communities. Over the past quarter, progress was made against these overall results and targets related to the establishment of a national system or network of co-managed PA and the improved enabling environment for this system.

- Formal initiation of entry fee collection in Lawachara, Satchuri, Chunoti, Teknaf / Mochoni and other declared PA, in combination with a comprehensive strategy to manage visitors
- Final approval and signature of a new GO for CMC
- Drafting of new Rules for PA Co-management, to complement proposed revisions in Social Forestry Rules
- Recognition of need for changes in wetlands leasing policy
- Continued training on laws and policies, including entry fee collection and utilization

- Presentation of guest lectures on climate change issues and the challenges and opportunities for scaling up co-management of forest and wetlands in Bangladesh, at BAU, Mymensingh
- Organization of the first meeting of the Advocacy Group on Forest and Wetlands Conservation
- Briefing on IPAC to the Minister of Food and Disaster Assistance and discussion of his support for co-management of Moduphur National Park (within his constituency as Member of Parliament)
- Organization of policy workshop on carbon finance, with the participation of the Minister and Secretary, MoEF, US Ambassador and USAID Director, FD-CCF, US Forest Service and others
- Completion of an updated field survey on water pollution issues on Turag River in Kaliakoir
- Mobilization of a gender specialist from d'TS, Dr. Raj and completion of the planned gender assessment

In the next quarter, the policy/governance specialists on the IPAC team will give particular attention to the following:

- Organization of another meeting of the Advocacy Group on Forest and Wetland Conservation to promote reform of water body leasing and final approval of revised Social Forestry Rules and new Rules for PA
- Organize additional training for CMC and CPG to increase accountability, clarify rights and secure sources of funding
- Assist field teams to mobilize RMOs to address the issue of water pollution at Kaliakoir
- Reinforce economic incentives for AIG linked to conservation and sustainable use of NR
- Further progress in fund raising for Lawachara CONIC so as to initiate construction
- Organization of follow up training on mainstreaming gender in PA co-management

## Communications and Outreach

Over the past quarter, the IPAC team:

- Printed and distributed IPAC brochures to 5 clusters (in Bangla, English)
- Designed, printed and distributed posters to 5 clusters
- Re-printed trail brochures for Srimongol sites
- Updated and reprinted fund raising brochure for Lawachara CONIC
- Completed printing of first Newsletter – with distribution to 5 clusters
- Developed theater scripts and 20 theater teams have been organized in 5 clusters
- Developed scope of work and mobilized technical support for upgrading of IPAC website
- Worked with French photographer to provide coverage of conservation issues for Modhuper Forest, medicine garden and Garo Festival
- Messages disseminated through 15 Rickshaws in LNP
- Further development of key messages for students, co-managers, leaders, mass people etc.
- Organized launching ceremony of Carbon Finance Policy workshop and closing of Carbon Project Preparation Certificate Course
- Arranged for IPAC stall at TOAB tourism fair
- Produced weekly reports for USAID
- Worked with Asiatic for preparation of talk show interview on Eco-tourism

- Worked with Cluster Communications Facilitators to contribute to local media reporting of PA co-management and conservation issues

A number of additional activities have been initiated and will be completed in the next quarter, including

- Organization of visit to national parks by Roots and Shoots student group
- University level competition for selection of a name for the national program and network of co-managed Protected Areas
- Completion of flip charts to assist in communicating key messages at the site level
- Preparation of additional posters addressing wetlands conservation
- Production of caps and T-shirts and wall calendar
- Preparation of a second issue of the IPAC newsletter
- Completion of upgrading of IPAC website

## Capacity Building

Over the past quarter, IPAC supported training in the following areas:

- Carbon financing policy workshop and certification course in carbon stock assessments and carbon project preparation
- Local level training for eco-guides
- Familiarization with fisheries, forestry livestock, agriculture and other technical packages and production modules for promising Alternative Income Generation interventions
- Organization of two district level workshops to disseminate good practices in fisheries and wetlands co-management.

The team also participated in a short course on out grower schemes organized by Action for Enterprise, and is collaborating with the Department of Environment to extend the use of training materials for climate change mitigation and adaptation. Additional details follow.

**Certificate Training Course on Carbon Financing and Project Preparation:** The overall objective of the certificate course was to contribute to the adaptation and mitigation of climate change and to promote sustainable development of natural resources by building the capacity of the Ministry of Environment and Forests, Ministry of Fisheries and Livestock, and government technical agencies responsible for PA co-management, including the Forest Department (FD), Department of Fisheries (DoF) and Department of Environment (DoE) to access carbon markets. The course provided an overview of the climate change policy framework and land-use carbon projects mainly for senior and mid-level officials as well as guidance on thinking through practical issues, principles and methods and navigating the logistics of project planning, design, development and effective field implementation.

The IPAC team in collaboration with the United States Forest Services (USFS) designed the certificate course and implemented the course from October 28 to November 11, 2009 in four phases as follows: *Phase I*: Workshop on Global Climate Change and Carbon Financing: Opportunities for Bangladesh, Duration: October 28 – 29, Venue : Radisson Water Garden Hotel, Dhaka; *Phase II* : Training on Carbon Project Planning, Design and Carbon Pool Assessment, October 30 – November 02, Venue : Fisheries Academy, Savar, Dhaka; *Phase III* : Field Exercise on Developing Sundarbans Mangroves Carbon Projects : Field Demonstration, November 03 – 09, Venue : Sundarbans Reserved Forests; and *Phase IV* : Training on Carbon Project Implementation, November 10 – 11, Venue : Fisheries Academy, Savar, Dhaka.

In inaugural session, Dr. Hasan Mahmud, State Minister, Ministry of Environment and Forests; Government of the People's Republic of Bangladesh was the chief guest; Mr. James F. Moriarty, US Ambassador to Bangladesh was special guest and Dr. Mihir Kanti Majumder, Secretary, Ministry of Environment and Forests, Government of the People's Republic of Bangladesh chaired the session.

120 participants attended the Phase policy workshop representing five ministries (Ministry of Environment and Forests, Ministry of Fisheries and Livestock, Ministry of Finance, Ministry of Land, and Ministry of Law, Justice and Parliamentary Affairs); 12 GoB organizations (Planning Commission, ERD, IMED, Forest Department, Department of Fisheries, Department of Environment, BCSIR, LGED, BRDB, Bangladesh Bank, BFRI (Forest) and BARI); three universities (Jahangirnagar University, BUET and IUB); the US Embassy and Royal Danish Embassy; USAID, DFID and GTZ; and national and international NGOs including BELA, BCAS, CNRS, WTB, SATU, Waste Management, Arannyak Foundation, CEGIS, CIRDAP and IUCN. In addition, representatives from 17 media organizations also attended.

The full course (Phase I - Phase IV) was attended by 25 participants among them 23 from GoB departments' (11 from Forest Department, seven from Department of Fisheries and five from Department of Environment) and two participants were observers from Independent University, Bangladesh (IUB Professor) and Bangladesh Forest Research Institute (retired officer). At the conclusion of the course, the participants felt that the course improved their understanding of the mechanisms and practical tools to effectively package land-use carbon projects for the regulatory and voluntary markets.

**Orientation of Trainers for Eco Tour Guides:** A two-day long training course was held at Sreemongol from 20th to 21st October 2009 to train the existing eco-guides for developing their capacity so that they can train newly recruited eco-guides in future. Mr. Gopal Dev, CMC Vice Chairman, LNP and Mr. A. K. M. Azharul Islam, CMC Member Secretary was present in the introductory session; and Mr. Mahabubur Rahman, Divisional Forest Officer, Moulavibazar, Sylhet Division also spoke in another session.

Mr. Kazi M.A. Hashem, Institutional Capacity Building Specialist, IPAC facilitated the course. The course participants were 17 of which 14 existing eco-guides and three Enterprise Site Facilitators. The eco-guides came from Lawachara National Park, Rema Kalenga Wildlife Sanctuary, Satchari National Park, Chunoti Wildlife Sanctuary, Teknaf Game Reserve and ESF (Sylhet, South-Eastern and Sundarbans).

As part of decisions the newly developed trainers will implement first batch of eco-tour guide training course within December 2009. But before involving them in conducting the actual training course concerned ESF will ensure continuing practice teaching session and simultaneously develop detailed training module. This was the first training course for developing trainers from community which will eventually engage more local people with enhanced competence as trainers along with an opportunity for creating alternative sources of income.

**Workshop on Application of AIG Modules:** IPAC organized a workshop on Alternate Income Generation Modules on 18 October 2009 on opportunities to increase economic benefits through AIG support to local communities. The workshop was chaired by Dr. Zahurul Karim, IPAC Senior Policy and Institutions Advisor. Dr. M.A. Quayyum, Ex-CSO, OFRD, BARI presented on Crops and Forestry related AIG module; Md. Shafiqul Islam, Fisheries Specialist, ATTP presented a module on Fisheries and Aquaculture module and Dr. Sharif Ahmed Chowdhury, Livestock Specialist, PKSF presented on Livestock and Poultry farming module. The main objective of the workshop was to review the most promising and proven technical packages and currently available best practices in fisheries and agriculture; horticulture, tree crops and agro-forestry; sustainable agriculture including irrigate crops and other cost-effective modules to help in improving rural production systems linked to PA conservation.

46 participants viz. IPAC field officials (Site Coordinators and Enterprise Support Facilitators), technical staff members; its partners; representatives from Department of Forest; Department of Fisheries and Department of Environment; and other representatives (CWBMP, GTZ, PRICE, Katalyst and Rahimaafroz) participated in the workshop.



**Dissemination of Good Practices in Fisheries Sector:** IPAC Project supported the Department of Fisheries (DoF) in organizing two district level workshops at Sylhet and Sunamgonj on 24 and 25 October, 2009 respectively on “Dissemination of Good Practices in Fisheries Sector”. The Secretary, MoFL was present in both the workshops as chief guest. DG-DoF and CoP –IPAC were present in the occasion as special guest and guest of honor respectively. The concerned Deputy Commissioner chaired the workshops. 125 persons participated in the Sylhet workshop and Sunamgonj workshop was attended by 115 participants representing communities, district level GoB departments, ministry and DoF Head Office senior management and NGOs.

A number of recommendations emerged from the discussions and have been compiled in the workshop proceedings, including the need to review current leasing policies and regulations, and strengthen staffing of DoF at the local level. IPAC plans to continue to provide support for additional district level dissemination workshops.

**Locally Organized and Implemented Courses:** Two types of training/orientation courses are being organized and conducted in IPAC Clusters at the site level: a) AIG/ value chain and b) awareness raising. Over the past quarter, a number of short courses were conducted, including:

**a) AIG/Value Chain Training Courses:**

- Bamboo Made Products: Implemented one course at Chakaria from September 12 to 17 with 30 participants.
- Medicinal Plant Gardening: Implemented at Madhupur from October 25 to 29, 2009 with 12 participants.
- Pond Fish Culture: Implemented at Teknaf from October 26 to 28, 2009 along with 11 participants.
- Homestead Vegetables Production and Management: Two courses were implemented at Kaptai site on November 11 with 37 participants.
- TOT on Improved Cooking Stoves: Implemented at Kaptai Site from November 21 to 25 with eight participants.
- Nursery Raising and Management: One course implemented at Kaptai Site from November 23 to 24 with 16 participants.

**b) Awareness Raising Orientation Courses:** 35 such courses were conducted with a total of 1,304 participants of which b.1) 29 IPAC orientation courses involving 1,223 participants; b.2) two forest, fisheries and environmental law orientation with 133 participants in Modhupur and Kaptai; b.3) one promoters orientation with 15 participants in Chokoria; and b.4) three promoters refreshers course involving 33 participants also in Chokoria. Among the 29 IPAC orientation courses six were conducted in Sarankhola, five in Mongla and 18 in Munshiganj site.

**Support Applied Research Case Study Field Work:** The IPAC Project with support from the East West Center (Honolulu, Hawaii) and the WorldFish Center has been providing support to 12 research grantees for their field research since August 2009. The themes that the research fellows are working on are: Governance and protected landscapes: Co-management in the wetlands and forests of Bangladesh and Rural livelihoods and protected landscapes. A four weeklong report writing workshop will be held from January (January 17, 2010) where research fellows will be assisted to organize their reports and analyze their collected data.

In the coming quarter, the following priority activities for Capacity Building and Training will be pursued:

- i. Organize training of trainers sessions to develop Local Support Groups
- ii. Organize Value Chain–AIG training for local support service providers in collaboration with private sector partners
- iii. Organize exchange visits for GoB officials especially for field staff

- iv. Orient the CMCs about their roles and the existing RMOs every three months (along with module preparation)
- v. Organize additional district level workshops for disseminating of 'Good Practices' in fisheries sector
- vi. Develop 'Good Practices' for forest sector and disseminate to all concerned through workshops
- vii. Organize two-day long training courses for GoB field staff
- viii. Organize basic training for new IPAC staff
- ix. Compile modules in IPAC Tool-Kit to support implementation of PA co-management
- x. Organize climate change school for adaptation and mitigation interventions
- xi. Organize second batch of revamped Certificate Course on Applied Conservation Biology and Co-Management
- xii. Organize second batch of revamped Certificate Course on Carbon Financing and Project Preparation
- xiii. Support Applied Research case study field work
- xiv. Design and implement training courses on people skills of concerned department and project officials on a) Leadership for Change; b) Communication, Outreach, Governance and Extension; and d) Motivation and Development Sociology.

## Site Specific Implementation

Over the past quarter, Cluster teams have documented progress at individual sites through the preparation of "Fact Sheets" as well as monthly progress reports. Summaries of progress in site level implementation were presented and discussed during the quarterly review and the following points emerged from the discussion.

1. Co-management councils and committees have been formed in Kaptai NP, Medhakachpia NP and Khadimnagar NP after holding due consultations as per the new GO for CMC formation. Orientation sessions with the new CMCs have been continued.
2. Necessary steps have been taken in other forest PAs for the formation of new CMCs.
3. Village Conservation Forum (VCF) has been formed in all the forest PAs by conducting village level meetings with local stakeholders. The representatives of VCFs have been included the CMCs that have been formed in Kaptai, Medhakachpia and Khadimnagar NPs.
4. Regular meetings of RMOs and FRUGs have continued during the period in all the three MACH sites. New UFCs have become functional during the period in all three MACH sites.
5. All required steps were taken for the formation of a new RMO in Aura Boura *Beel*.
6. Regular meetings of CMCs, CPGs, Nishorgo Clubs and Federations have continued in all the five existing sites.
7. VIP visits including the visit of the honorable Minister of Environment and Forests have taken place in IPAC sites.
8. In Tanguar Haor and Hakaluki Haor contacts have been established with the existing CBOs functioning under CWBMP and IUCN/SDC projects.
9. PRAs/RRAs have been completed in Sundarbans East and West Sanctuaries. Field work for the completion of PRA/RRA reports in Sundarbans South Sanctuary and Sundarbans ECA continued during the period.
10. Communication activities including theatre groups, miking, youth clubs, journalist orientation, awareness raising, motivation, school awareness programs, have been carried out. Communication materials including IPAC information sheets and sites sheets including trails have been distributed.

11. Necessary support has been provided for dormitory management and maintenance of the facilities that have been developed for eco-tourism in the five existing PAs covered under NSP.
12. Value chain and alternative income generation activities on bamboo, fisheries, eco-tourism, medicinal plantations, homestead vegetables, nursery, improved cook stoves, and weaving have been taken up. Training for skill development has been imparted and market linkages have been established for bamboo products in Madhupur cluster and cloths and other handicrafts in Kaptai.
13. Eco-guides TOT have been completed in order to mount eco-guides training to the selected eco-guides who have been recently recruited.
14. Training on the laws and rules related to environment, forestry and wetlands management has been completed at Madhupur and Kaliakor.
15. Climate change training started for local stakeholders in order to better understand vulnerabilities, risks and adaptation issues.
16. Eco-tourism training was completed for CNG drivers, boatmen and rickshaw pullers has been completed.
17. New CPGs have been formed and the existing CPGs have been given uniforms and other necessary equipments and their regular meetings have held, focussing on mainly on strengthening patrolling efforts.
18. IPAC-FD interactions have been intensified by holding cluster level workshops/meetings to better coordinate project activities including CMC formation.
19. Plant seedlings have been distributed among the school children
20. Entry fee guidelines were initiated after taking necessary preparations were their transparent implementation and visitor effective management in the five PAs.
21. ADPs for the utilization of entry fee budget allocated by the FD were prepared by the CMCs for thier approval by the respective DFOs.
22. Local contacts were made with Scouts for their gainful involvement in visitor management particularly in LNP and SNP.
23. Field support was provided to the Gender Specialist and ECODIT Environment Sector Assessment Team.
24. The guidelines for the mobilization of community resource persons and group promoters have been implemented.
25. Field support for one week was provided to the Climate Change Carbon Financing Filed Training held in Sundarbans. Field support was also provided for taking carbon and forest management plan inventory works in Sundarbans.
26. Field support was provided to the Gtz mission that finalized MOUs with the USAID and the Ministry of Environment and Forests for preparation of funding proposals for the Chunoti Carbon Project.
27. New field staff were recruited and oriented.

Additional details are noted in the updated Performance Monitoring Plan table showing recent accomplishments with respect to PMP indicator targets (Appendix 3)

# Project Management

## Administration and Finance

Over the past quarter, considerable additional effort was devoted to the revision and approval process for three DPPs which are being forwarded to the Planning Commission by DoE, DoF and FD.



During the past quarter, the IPAC team helped to provide logistical support and other assistance to a team of seven specialists fielded by the US Forest Service to assist with a carbon inventory, forest planning and infrastructure master plan for the Sundarbans and to a team of six persons fielded to carry out an Environmental Assessment for USAID/Bangladesh.

Applications were received and reviewed and a selection made of a new implementing partner to provide technical support for the Central and Sylhet Clusters. USAID consent to subcontract with the new partner has been requested and a transition is being planned from CODEC to the new partner before the end of December 2009.

The manual and guidelines for the IPAC Landscape Development Fund has been prepared and submitted to USAID for approval.

Considerable effort was devoted over the past several months to the preparation and updating of a request for USAID approval of a major contract modification needed to proceed with team restructuring and associated changes in staffing. Approval is anticipated in January 2010.

Administrative support and assistance was extended to a three-week long Carbon Financing Training conducted at FTA, Savar. The training followed with a one and a half day workshop at Radisson Water Garden Hotel and Nearly a week long field trip to Sundarban.

## Implementation Issues

The transition from RDRS to CODEC to a new implementing partner for provision of technical support to the Central and Sylhet Clusters has temporarily extended the management burden of CODEC, to help supervise and provide support through field staff in four out of five IPAC Clusters. Together with an extension of the time required to complete the contract modification process, it has delayed the recruitment and mobilization of Cluster Directors and additional Enterprise Management staff, along with additional expertise in wetlands co-management. Over the next quarter, the team plans to successfully complete these transitions and team restructuring.

Over the past quarter, field activities have moved ahead in the Sundarbans Cluster and a number of follow on activities discussed during the Consultative Meeting on the Sundarbans are now well underway. In the next 3-6 months, existing staff of the Forest Department will be challenged to complete (with assistance from the US Forest Service and IPAC) a number of ambitious undertakings, including an inventory of carbon/vegetation, review and approval of the Sundarbans Strategic Management Plan, organization of the preparation of an Integrated Resource Management Plan for the Sundarbans Reserved Forest, preparation of a Master Plan for Infrastructure Development as well as completion of an economics study and field level activities for the organization of co-management and AIG activities at the community level.

## Implementation Priorities for Next Quarter

During the quarterly review session organized on December 7, 2009 in Dhaka and in follow up working sessions, the following priorities for IPAC implementation in the next quarter were identified.

### Overall Strategic Priorities for IPAC Team

- Approve revisions to Social Forestry Rules and complete new PA Rules
- Clarify and develop IPAC strategy for interventions in wetlands and fisheries co-management
- Mobilize specialists to reinforce social mobilization interventions

- Organize next session of Conservation Biology and Carbon Project Preparation certificate courses
- Complete Cluster level training plans and organize priority training and exchange visits for GoB field staff and co-managers
- Increase support for AIG, value chain strengthening and enterprise development
- Follow up with carbon/forest inventory and Sundarbans strategic management plan
- Leverage support for improved stoves and improved drinking water supplies
- Carry out fieldwork for Sundarbans carbon inventory and proceed with preparation of carbon projects
- Ensure monthly reporting on PMP sub-indicators and organize monthly briefings with senior staff/site coordinators.

### **IPAC Strategy and Policy**

- Develop “Strategy and Operational Steps for Enhanced Impacts at IPAC Wetland Sites” including proposed revisions to water body leasing policy
- Reinforce legal framework for co-management – including revision of Social Forestry Rules, PA Rules
- Adoption of GOs to support co-management of water bodies and ECA
- Organize next meeting of Advocacy Group for Conservation of Forests and Wetlands
- Organize Modhupur Consultative Meeting
- Follow up on carbon project preparation by targeting five new carbon projects.
- Follow up with CONIC and promote CSR grants and PPP in support of IPAC implementation
- Review and adopt priority actions for capacity building strategy with FD, DoF and DoE
- Implement training and other priority elements of gender strategy for IPAC.

### **IPAC Communications**

- Revise and complete ten PA Program External Target Audience communication action matrices and program strategies
- Propose detailed actions and budgets for each of the ten PA Target Audiences
- Conduct brand and target audience training for CF and SC
- Complete university PA program naming process and communicate the process in the press
- Initiate implementation (after brand rollout) of the all field based communication
- Present and gain approval of name selection output by GoB; formalize selection with USAID and other partners
- Prepare detailed action plan and budgets for brand and name unveiling of PA co-management program

- Brand launch rollout initiated in end February
- Reinforce social mobilization and communications interventions drop; recruit experts to assess progress and challenges
- Publicize publication of new GO for FD CMO
- Clarify and refine key messages for targeted behavior changes
- Expand outreach with students, scouts, co-management advocates
- Support clarification and outreach of IPAC strategy for Sundarbans
- Accelerate production/distribution of communication material, including preparation of next edition of newsletter
- Organize support for dissemination of key messages through popular theatre and other means, including talk shows, policy roundtables
- Organize networking and constituency building activities among CBO leadership, FRUGs, eco-cottage owners, eco-guides and others
- Complete upgrading website.

### **Capacity Building and Training**

- Organize next sessions of revamped Conservation Biology and Carbon Project Preparation Certificate Courses
- Provide for additional resource persons for certificate courses in addition to JU/IUB faculty
- Revamped curricula and schedule to be endorsed by DoE, DoF, FD
- Prepare IPAC training plan, to respond to Site level needs and to implement Capacity Building strategy
- Organize additional training of trainers and exchange visits for GoB field staff and co-managers specially on Governance and IPAC implementation issues
- Climate Change school – adaptation and mitigation interventions
- Organize module to support preparation of participatory co-management action plans
- Organize Value Chain - AIG training for local support service providers in collaboration with private sector partners
- Support applied research case study field work
- Compile modules in Tool Kit to support implementation of PA Co-Management.

### **Site Level Implementation**

- Increase support for AIG, value chain strengthening and enterprise development and refine approach for targeted value chains
- Follow through with private sector and market linkages and reinforce PA co-management in support of ecotourism

- Follow through on entry fee collection and utilization and upgrade/develop/manage facilities for visitors
- Support fieldwork for carbon/ forest inventory in Sundarbans; facilitate preparation of five new carbon projects
- Develop and accelerate efforts to support ICS and improve drinking water supplies
- Strengthen CMC and RMO in old sites; facilitate CMOs in new sites
- Complete land use assessment and mapping for Bhawal National Park
- Support participatory co-management action plans
- Develop and implement strategies to address water body pollution
- Mobilize interventions for habitat restoration/improved land use and NRM, sanctuary establishment, implementation of good practices
- Complete funding and ground-breaking for Lawachara CONIC and develop additional PPP and LDF proposals
- Complete infrastructure engineering assessment and designs for Baikka *Beel* and for Sundarbans
- Complete vetting and approval of Sundarbans Strategic Management Plan
- Finalize TOR and implement Sundarbans Fisheries/Economics studies.

### **Performance Monitoring**

- Ensure monthly reporting on PMP sub-indicators and organize monthly briefings with senior staff/site coordinators
- Assign responsibilities for verifying data and managing achievement for each PMP indicator
- Prepare and circulate tables illustrating trends in PMP achievements
- Prepare/update Fact Sheets for all Sites; complete scoring and SOPA report
- Organize databases for PCR reporting.

### **Project Management**

- Complete transition to new partner Central + Sylhet Clusters
- Final approval of contract/subcontract modifications and hiring additional staff for re-structured team
- Support approvals of DPP
- Approval of LDF Small Grants guidelines
- Leverage more partnerships and synergies: in addition to EC/SEALS, with USAID projects (LOI, PRICE, Smiling Sun), World Bank–Fisheries, Sundarbans; GTZ–Chunoti and wetlands and with GTZ – Grameen Shakti, Rahimafroz, UNICEF and others for improved cook stoves and drinking water supplies.

# Annex 1 - Activity Calendar

Sept 1	Meeting at Modhupur; AFE Outgrower Workshop; SEALS Meeting at FD
Sept 2-3	IPAC Quarterly Review and Planning Workshop at FD
Sept 2-19	Janet Esquivel Working period
Sept 7	Briefing to USAID Director/EGFE, Naren Chanmugam
Sept 8	CODEC- IPAC meeting, Chittagong
Sept 9	IRG-USAID meeting on Contract Mod; Meetings with OASIS, Asiatic
Sept 10	Meetings - Module Architects, WorldFish, Z. Karim
Sept 13	Review of IPAC progress with Mr. Naren and Dr. Azharul at USAID
Sept 14	Follow up consultation on contract mod with Shafique Nazim-USAID
Sept 14	CMC Meeting at Satchari National Park
Sept 15	CMC Meeting at Lawachara National Park
Sept 17	Meeting with BELA
Sept 20-22	Eid holidays
Sept 24	Deadline for submission of proposals for support to Central / Sylhet Clusters
Sept 27	Meeting with DG, DoF
Sept 30	Meeting with Secretary on PA Rules – MOEF
	Meeting with BELA on Watch Group-Dhaka
	RDRS Contracts Ends
Oct 1-3	TOAB Tourism Fair
Oct 4	Pre-ECNEC -FD IPAC DPP-Dhaka
Oct 4	Day long meeting with FD and SE Cluster team-Cox's Bazar
Oct 5	Pre-ECNEC -DOF IPAC DPP-Dhaka
	Meeting with /JU/IUB on certificate course-Banani
	Meeting with EC Seals (Jorge)
	Meeting with SE Cluster CMC -Teknaf
Oct 6	Transition meeting - Srimangal cluster team with CODEC and IRG
Oct 7	FAO Roundtable Food Security and Climate Change-Dhaka
Oct 8	Working session on PA-Rules at FD
	Transition meeting - Central Cluster-Modhupur with CODEC and IRG
Oct 11	Meeting with FD officials and Central Cluster Modhupur
Oct 13	Meeting with Minister of Food-Dhaka

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	Meeting with WTB/FD Sundarbans workshops
Oct 14	Meeting with CCF at FD DoE briefing on Climate Change training materials
Oct 15	Visit to BAU, Mymensingh and guest lectures by Dr. Z. Karim and Bob
Oct 18	Training workshop on AIG modules at FD Conference Room FD/WTB-Sundarbans workshop - Physical works-Khulna CMC Meeting at Khadimnagar National Park
Oct 19	Site Coordinator's meeting-IPAC
Oct 19	CMC formation – Khadimnagar National Park - Sylhet
Oct 20-21	Ecoguide Training of Trainers – in Srimongal Meeting with World Bank – on Sundarbans Formal submission of IPAC Contract Mod
Oct 22-31	Dr. Raj Shrestha - IPAC dTS Gender Assessment Team
Oct 22	First meeting of Advisory Group at Mission Director's House
Oct 24	Fisheries Good Practices workshop-Sylhet Dr. Raj-Meeting with Dr. Azhar and DCOP FD Meeting at Gazipur
Oct 25	Dr. Raj-Meeting with partners IPAC staff (Khaled, Hashem, Nadira, Sumaiya, Nahid, Monika, BELA, Asiatic, DoF, DoE, FD)
Oct 25	Fisheries Good Practices Workshop – Sunamganj and IUCN-Tanguar Haor Meeting
Oct 26	Meeting – FD DFO Sylhet
Oct 26	Meeting of PMAR Associates and PMP team
Oct 26-Nov 5	TDY of Todd Johnson – carbon finance specialist
Oct 28	Carbon finance inauguration
Oct 29	Policy workshop on Global climate change at Radisson Water Garden Hotel
Oct 31-Nov.11	Fisheries Training Academy, Savar-Carbon financing training
Nov. 1	Meeting with USFS and FD on forest planning and infrastructure master plan
Nov.1-3	Wangala (Adivasi Festival) at Modhupur
Nov. 2	Meeting with Duncan Brothers – PPP contribution for Lawachara CONIC
Nov 3-9	Carbon training Workshop Field Visit-Sundarbans
Nov 3	Meeting with DC at Sherpur Fisheries Committee
Nov 4	Meeting with OASIS at IPAC Office
Nov 6-7	Field visit by Bob with USFS team at Sundarbans
Nov 8	Visit by Yoon Kim-IRG/Washington Protection Assessment workshop of WTB-FD

Nov 9 ECODIT -Environmental Sector Team arrives

Nov 10-11 Fraud Training-ARA  
MoEF meeting on draft PA Rules (with IUCN, BELA, BFRI, BAPA, others)

Nov 10 Meeting of IPAC with Yoon Kim on climate change adaptation

Nov 11 Closing of Certificate Course on Carbon Training

Nov 11-13 Visit Teknaf by Chris Hartman

Nov 13 Departure -Forest Planner-Joe Kruger

Nov 15-18 ECODIT Team visit SE Cluster

Nov 19 IPAC Team Coordination Meeting  
Meeting with Mr. Mafizul Kabir of JU at IPAC

Nov 20 Departure - Chris Hartman –USFS Infrastructure planner

Nov 22-26 ECODIT Team visit NE cluster

Nov 24 PA Rules Meeting at FD

# Annex 2–IPAC Reports and Deliverables

Additional reports and deliverables prepared during the past quarter included:

- Year 1, First Annual Progress Report - June 1, 2008-May 31, 2009 covered
- Year 1, 4th Quarterly Progress Report: March 1, 2009-May 31, 2009
- Year 2, 1<sup>st</sup> Quarterly Report - June 5, 2009 to August 31, 2009
- Final Report on Consultative Meeting at Srimangal
- Nepal Visit Trip Report
- Final Report on Conservation Biology Certificate Course
- Final Report on Carbon Financing Policy Workshop
- LDF Competitive Grants Manual
- Booklet (in Bangla) on Fisheries Good Practices
- Survey Report on World Wetland Day 2009
- IPAC Report on *Tanguar Haor* visit 25-28 October 2009
- Final Consultant Report on Lesson Learned in Wetlands Management
- New Government Order for CM Councils and Committees.



# Annex 3 – Performance targets and achievements

Table 1- Common Indicators of the U.S. Foreign Assistance Framework for IPAC: Progress up to November 2009 (2<sup>nd</sup> quarter of 2<sup>nd</sup> year).

Indicators	Baseline NSP+MACH	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 May'11	to	Notes
1: Number of hectares under improved natural resource management as a result of USG assistance.	134,268 ha	105,725 ha	187,042 ha	225,000 ha		<p><b>Area is significantly above target</b> because of completion of PRA/RRA in more sites than anticipated; however, more activities will be supported to progress further with “improved management” in coming years. Also, total area under improved management now includes new sites in Sundarbans where team has started fieldwork earlier than planned, and it now includes two major leveraged sites, where SDC/IUCN project and GEF/CWBMP projects are contributing to improved management.</p> <p>Includes area of biological significance (176,378 ha) reported for indicator 2 under improved NRM. See explanations for indicator two concerning area of leveraged sites and new sites.</p> <p>IPAC team has completed site level assessments (RRA/PRA) for 21 sites to be progressively brought under improved management.</p>
2: Number of hectares in areas of biological significance under improved management as a result of USG assistance.	46,111 ha.	40,000 ha	176,774 ha	200,000 ha		<p><b>Area is significantly above target</b> because of completion of site level assessments in new sites, and inclusion of leveraged sites in national program of co-managed Protected Areas. Team will document further stages in implementation of improved management, as well as extension of co-management to additional areas.</p> <p><b>Leveraged Sites:</b></p> <p>Continuation of improved management in wetland sites: (a) GEF/CWBMP assisted <b>Hakaluki Haor</b> and (b) SDC/IUCN assisted support for CBFM at <b>Tanguar Haor</b> and (c) WFC CBFM project support for continued improved fisheries management in wetlands.</p> <p><b>New Sites:</b></p> <p>(a) Kaptai National Park with an area of 5464 ha has been brought under improved NRM through completion of RRA/PRA and formation of Co-management Council</p>

Indicators	Baseline NSP+MACH	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 to May'11	Notes
					and Committee;  (b) RRA/PRA completed and formation of CMO is underway for three wildlife Sanctuaries of Sundarbans
3: Number of hectares of natural resources showing improved biophysical conditions as a result of USG assistance.	32,743 ha	25,000 ha	7,614.5 ha	15,000 ha	Includes areas with established plantations and area reforested through seedling distribution and also contour plantation at KaptaiNP by GFS in Oct'09
4: Number of hectares in areas of biological significance showing improved biophysical conditions as a result of USG assistance.	2673 ha	20,000 ha	6,376 ha	10,000 ha	Includes areas treated with enrichment and coppice treatments, and with removal of invasive species and habitat restoration.
5: Number of policies, laws, agreements or regulations promoting sustainable natural resource management and conservation that are implemented as a result of USG assistance.	2	5	6	10	Includes approval of entry fee sharing, PPP funding for CONIC, use of UFC endowment funds, recommendations of Sundarbans Consultative Meeting, revision of Social Forestry Rules and Gazete notice on formation of CMC and CMCouncil
6 Number of people with increased economic benefits derived from sustainable natural resource management and conservation as a result of USG assistance.	137,830	150,000	246,253	300,000	(a) 28,189 beneficiaries of NSP have continued economic activities under different AIG and Enterprises.  (b) Additional IPAC beneficiaries include traders, latrines, improved stoves, access to micro finance. Total: 13,132.  (c) with support from MACH follow on, 2463 households received direct economic benefits from credit disbursement for AIGA. Total HH = 43,784  Note: number of people = beneficiary head of household + family members (avg family size 5.6 per Household).
7: Number of people receiving USG supported training in natural resources management and/or biodiversity conservation.	32, 203	10,000	7,361	12,000	(a) 975 people trained on technical NRM issues such as bamboo value chain and enterprise development, product development, bamboo clump management, home gardening, climate change adaptation technique, cross site visits among forest or wetland protected areas and exposure visits to India and Nepal to observe co-management, credit management.

Indicators	Baseline NSP+MACH	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 May'11	Notes
					<p>(b) 836 people attended Inception workshops. Such workshop includes community based wetland management (MACH experience), forest management (NSP experience), importance of biodiversity conservation, importance of community involvement in biodiversity conservation etc.</p> <p>(c) 3313 people trained through spot based awareness programs on Co-management, importance of biodiversity conservation, importance of community involvement in biodiversity conservation etc. Such training programs were held during formation of village conservation forum.</p> <p>(d) 270 persons trained on AIG and related skills through MACH follow on.</p>
<b>8:</b> Number of people with increased adaptive capacity to cope with impacts of climate variability and change as a result of USG assistance.	<b>137,830</b>	<b>75,000</b>	<b>253,633</b>	<b>75,000</b>	This includes heads of households assisted with economic benefits, and (a) 3462 persons assisted through awareness raising (b) 72 benefitted from adaptation training (c) 5 farmers benefitted from technology demonstration on farms with area of 5.26 ha (e) 245,190 persons increased economic benefit (indicator 6)
<b>9:</b> Quantity of greenhouse gas emissions, measured in million metric tons Carbon, reduced or sequestered as a result of USG assistance (million metric Ton C).	<b>TBD</b>	<b>5.57</b>		<b>6.85</b>	Field work scheduled to start in November 2009.
<b>10.</b> Number of people in target areas with access to improved drinking water supply as a result of USG assistance.	<b>0</b>	<b>10,000</b>	<b>1188</b>	<b>6,000</b>	145 households (870 beneficiaries) benefited through renovation and maintenances of 26 tube wells at <b>Hail Haor</b> wetland site.  Overall achievement <b>is below target</b> because of lag in field level measurement and implementation of investment in improved drinking water. Additional data collection is ongoing to assess number of people benefited from tube well investments in targeted sites in Sylhet Cluster. With formal approval of GoB project documents, local currency will be mobilized for infrastructure development; IPAC is also working to leverage more impacts from collaboration with EC/SEALS investments and others
<b>11.</b> Number of people receiving USG supported training in environmental law, enforcement, public participation, and cleaner production policies, strategies, skills and techniques.	<b>0</b>	<b>300</b>	<b>166</b>	<b>300</b>	(a) Orientation Training provided on GoB policy on Entry Fee collection, management of visitors, revenue collection and budgeting process; (b) Workshop held on Forest Act and Social Forestry Law; © Six week certificate course organized on applied conservation biology and co-

Indicators	Baseline NSP+MACH	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 to May'11	Notes
					management. (133 men, 10 women trained).
<p><b>12.</b> Number of people receiving USG supported training in global climate change including framework convention on climate change, greenhouse gas inventories, mitigation, and adaptation analysis.</p>	<p><b>0</b></p>	<p><b>25</b></p>	<p><b>358</b></p>	<p><b>100</b></p>	<p>Work in progress: a training curriculum has been prepared on Carbon Finance with support from USFS, and certificate course is being organized in October – November 2009.</p>

Table 2 - Custom Indicators for IPAC: Progress up to November 2009 (2<sup>nd</sup> quarter of 2<sup>nd</sup> year).

Indicators	Baseline	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 to May'11	Notes
13: Number of individuals benefiting from use of improved stove and bio-gas plants.	25,166	19,600	2,800	15,000	Continued extension of improved cooking stoves to 500 hhs (total beneficiaries 2800 including family members) at SNP, RKWS and LNP.  Achievement is below target because of focus on other activities in first year and initial delays in mobilizing planned collaboration with GTZ and Bangladesh Scouts; partnership agreements have been achieved and results will be forthcoming in next year.
14: Market and non-market revenue generated from AIG, ecotourism and other economic activities in targeted sites.	\$0	\$800,000	\$636,408	\$800,000	Revenue from AIGA credit disbursed through MACH follow on: 31,740,373 BDT = \$466,770.  Plus revenue generated from eco-cottages, tourist shops, eco-guides, tree nursery, weaving, improved stove making, community based fishing (TGR), tourist kiosque, household AIG etc. = \$167,699.  Target is adjusted to reflect lead time needed for new approach being used for value chain strengthening and development of partnerships with private sector.
15: Increase in density of indicator bird species in wetland and forested Landscape.	TBD	TBD			Survey currently underway to collect baseline data in new PAs. Target to be determined after survey has been completed.
16: Amount of leveraged financing for conservation.	\$0	\$8,600,000	\$16.56 million	\$20 million	(a) European Union is committed to fund – Sundarbans Environmental And Livelihood Security (SEALS) Project (\$12,575,933 = EUR 10 million). IPAC has participated & contributed to the SEALS joint project design effort, and the MOU between EC and USAID. The project scheduled to start in July 2010. 1 EUR = 1.25759 USD.  (b) 1100 hhs at landscape areas of Lawachara NP have been provided with Ring-Slab Latrine, cost of each is Taka 1000. Total amount in BDT is – 1,100,000, which is equivalent to \$15,714.

Indicators	Baseline	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 to May'11	Notes
					<p>(c) Leveraged from RDRS US\$64,286 at LNP and US\$ 71,429 at SNP (total \$135,714).</p> <p>(d) Leveraged \$173,472 for Lawachara NP and <i>Hail Haor</i> (LNP 19,07,000 Tk, for FUG members from RDRS, BRAC, Ansar-VDP. for <i>Hail Haor</i> 98,89,110 Tk from Caritas, ASHA, PASHABID, BRAC, BRDB among RUG Members (From June to August).</p> <p>(e) GTZ is committed to finance Chunati participatory forestry project (2.5 million ERO which is equivalent of \$3,567,750) beginning in early 2010.</p> <p>(f) Government has shared 50% of entry fee revenues amounting to \$5,882 in 2008.</p>
17: Number of individuals that are aware of a national Protected Areas network.	20,000	500,000	52,053	500,000	Awareness raised through a range of programs, including Co-management day, Wetland Day, Environment Day, etc.), training programs, inception workshops, consultative meetings, orientation programs, Tree Fair, Fish Week, etc.
18: More active and decisive support of PA co-management by FD, DoE, DoF and Local Government.		TBD	14	TBD	Baseline to be established; index to be based on progress related to: support for AIG, improved administrative management, policy support, law enforcement and capacity building, communications and training support.
19: Number of communities with Co-management agreements.	Forest – 8 wetland -16	TBD	116	TBD	<p>Status of Co-management:</p> <p>(1) CMO formed for Kaptai National Park (2 council and committees).</p> <p>(2) Co-management Council formation was also completed in 2 other PAs (Medhakassapia NP, Khadimnagar NP) and is nearly completed for Fasiakhali</p> <p>(3) VCF formation is well underway for Sundarban East Wildlife Sanctuary</p> <p>(4) Out of 36 targeted VCFs for Madhupur NP, 30 are formed so far</p>
20: Number of training curriculums developed and trained modules designed and taught.	0	6	17	10	<p>Training modules designed and taught on Value Chain &amp; Enterprise Development Training, (2) Applied conservation biology course (3) GPS Training (4) Bamboo product development, (5) Bamboo Clump Management (6) Nature Tourism, (7) Environment Law Training.</p> <p>Curriculums developed at field level also incorporated – 6 in SE cluster (4 implemented), 4 in Center cluster (one implemented)</p>
21: Number of recorded visitors to targeted PAs.	55,428	250,000	94,420	200,000	<p>Government has approved entry fee, ticket design and sharing of 50% revenue by the CMCs. Training for CMC members on entry fee collection and visitor management completed. Entree fee collection is scheduled to start from November 2009.</p> <p>Note: Target value is low compared to baseline value, based on the assumptions that change in political system (election in Jan 2009) may effect visitation to Protected Areas.</p>

Indicators	Baseline	Target June'09 to May'10	Achieved Nov'2009	Revised Target June'10 to May'11	Notes
22. Number of GoB protected areas with improved performance	5	15	12	19	<p>Five protected areas under NSP maintaining their performance and improved with regard to completion of visitor infrastructures</p> <p>Six New Direct Protected Area – where CMO formation has contributed to improved management and subsequently improved performance.</p> <p>One Indirect Protected Area - Landuse classification and mapping has recently been completed for Bhawal National Park.</p>

