

Milestone Monitoring and Evaluation Report

Project Code: CPWF PN - 35

Project title: Community-based Fish Culture

Starting date: 01/042005

Completion: 31/032010

Year	Qtr	Milestone type	Description	Deadline	Verification method	Date of completion	Comments
1	1	Output	Draft MOAs among partners	30/06/2005	Draft MOA sent to partners	30/06/2005	Completed – sent to partners for comments. (Draft attached to this report)
1	1	Activity	Project Inception workshop conducted	15/06/2005	Program of Activities	30/06/2005	Completed; Program of Activities (see Annex 1 of the Inception report, attached here)
1	1	Output	Project Inception Report with:	30/06/2005	Report	30/06/2005	Completed: Inception Report submitted to CPWF
		Output	Two-year Milestone plan	30/06/2005	Report	30/06/2005	Completed full Five-year Milestone Plan (see Annex 3 of the Inception Report, attached here)
		Output	Two-Year Work Plan	30/06/2005	Report	30/06/2005	Completed full Five-year Work Plan (see Annex 2 of the Inception Report, attached here)
		Output	Final Budget	30/06/2005	Report	30/06/2005	Completed (see Annexes 4 and 5 of the Inception Report, attached here)
		Output	Intellectual Asset Audit	30/06/2005	Report	30/06/2005	Completed(see Annex 6 of the Inception Report, attached here)
1	1	Activity	Two Project support staff recruited	30/06/2005	Appointment of staff	01/05/2005	Completed: 1 Research Asst and 1 Consultant have been hired. One additional staff will be recruited soon.

MEMORANDUM OF AGREEMENT
BY AND BETWEEN
THE WORLDFISH CENTER
AND
INDIAN COUNCIL OF AGRICULTURAL RESEARCH

This Agreement is made on this 22nd day of June 2005 by and between

The WorldFish Center with headquarters at Jalan Batu Muang, Batu Muang, 11960 Bayan Lepas, Penang, Malaysia, hereinafter called “**lead institution**”

And

Indian Council of Agricultural Research (Fisheries Division) located at Krishi Anusandhan Bhawan - II, New Delhi - 110 012 India, as a partner in the project entitled,

Community Based Fish Culture in Irrigation Systems and Seasonal Floodplains, hereinafter referred to as “**the Research Project**”, with other partners including the:

Bangladesh Agricultural Research Council
Research Institute for Aquaculture 2 (Vietnam)
Department of Fisheries (Cambodia)
Inland Valley Consortium – Mali Unit
Freshwater Fisheries Research Center (China)
Africa Rice Center (WARDA)
International Food Policy Research Institute

collectively referred to as “**the partners**”, and who have signed replicas of this Memorandum of Agreement (MOA)

Whereas

The lead institution and the partners wish to collaborate in carrying out the research work relating to the Research Project;

Whereas

The lead institution and the partners wish to enter into this MOA to regulate the relations between them, to define the scope of the Research Project, and to define the basis for the publication and dissemination of the results;

Whereas

The lead institution has signed a Letter of Agreement (Appendix 1) with the Challenge Program on Water and Food (CPWF) for the carrying out of the Research Project. This Letter requires the lead institution and the partners to abide by a set of operational standard clauses contained in the Project Agreement. A copy of the Project Agreement as it relates between the lead institution and the partners is at Appendix 2. Signature on this Agreement means that the partners agree to abide by those standard clauses;

It is hereby agreed as follows

ARTICLE 1 – DEFINITIONS AND INTERPRETATION

The following terms shall have the following meanings:

- i. “Contract Period” is from April 2005 until March 2010.
- ii. “Information” includes all confidential information of whatever kind or nature which one party discloses to the other (including information which is communicated orally).
- iii. “Results” shall mean all tangible and intangible items such as technical information, materials, reports, drawings and computer programs developed and created during the term of this MOA as a direct result of and in the performance of the Project.
- iv. “Liability” means any liability by reason of any representation, warranty or any breach of any implied term or any duty at common law, or under any statute, or under an express term of this MOA;
- v. “The Research Project” means the joint research and development work to be carried out pursuant to this MOA under the direction of the Project Leader. A description of the Research Project is set out in the Project Proposal at Appendix 3 and forms an integral part of this MOA.

ARTICLE 2 – EXECUTION OF THE PROJECT

- 2.1 The Lead Institution shall make reasonable endeavours to work with the partners to ensure the successful completion of the Research Project in accordance with the terms and conditions of this MOA and the Project Aim and Objectives as set out in the Research Project.
- 2.2 The Partners shall carry out the tasks and contribute the resources and facilities allotted to or required of them as set out in the Research Project. The tasks are listed at Appendix 4.

ARTICLE 3 – REPORTING

- 3.1 The Lead Institution will prepare and submit such reports on the Research Project as are required by the CPWF.
- 3.2 The Partners will supply the Lead Institution with Technical and Financial Reports, Results and Information in a timely manner needed to fulfil the reporting requirements of the Research Project.

ARTICLE 4 – COSTS AND BILLINGS

- 4.1 In consideration of the performance by the Partners of the Research Project work, subject to article 2, the Lead Institution will pay to the Partners the payments as set out in Appendix 5.
- 4.2 The Lead Institution shall make the payments to the Partners according to the schedules stipulated in the contracts.

The release of the relevant instalments of the Payment shall be subject to the Lead Institution having received the relevant funds from the CPWF and subject to the Partners having complied with their obligations and having achieved the agreed milestones under this MOA, and specific activities in Appendix 4.

ARTICLE 5 – CONFIDENTIALITY

- 5.1. Each party shall treat information disclosed to it by the other party as confidential and shall not, except with the prior written consent of the disclosing party, disclose the same to any third party.

ARTICLE 6 – PUBLICATIONS

- 6.1 All tangible and intangible results that arise from this project will be international public goods.
- 6.2 The Results of the Research Project should be publishable in accordance with normal academic practice and the Parties agree that Researchers engaged in the Research Project shall be permitted to make oral and written submissions at symposia, national, or regional professional meetings, and to publish in journals, theses or dissertations.
- 6.3 The CPWF and research partners are to be acknowledged on all published material. All papers and documents are to acknowledge the input of the project partners involved in this MOU whether for formal publication or informal dissemination.
- 6.4 Notwithstanding Clause 5.08 of the Project Agreement, all Parties must be notified at least four weeks prior to submission of a publication, or before any agreement is entered into to make an oral or written presentation, and upon request from any Party, the Party intending to publish or present must promptly provide a copy of the publication or presentation proposal. If any Party objects to the form of the intended publication then a request for a reasonable suitable modification to the publication may be made. The proposed modifications shall be considered seriously but are not binding.
- 6.5 Nothing in this agreement shall preclude
 - (i) the inclusion of some or all of the information and results acquired in the course of the Research Project or the conclusions reached as a result of the Research Project in a thesis or other material submitted by a Party
 - (ii) the disclosure of information or conclusions in confidence to any examiner appointed by that Party in pursuance of Article 6.4.i and
 - (iii) the lodging in the academic Library of that Party of a copy of the thesis or other material in accordance with the regulations of that Party with such limitations on availability as shall be agreed between the other Parties and that Party with regard to their respective interests

ARTICLE 7 - TIMING OF THE RESEARCH AND ACTIVITIES

This Agreement is retroactive to 1 April 2005 and shall remain in full force and effect through 31 March 2005. It is agreed that sections of this Agreement may be

reopened by mutual consent at any time, and any changes or modifications mutually agreed upon shall become effective as of the agreed upon date.

The timing of some of the events and phases of the Research Project is specified in the detailed work plan as attached to the contracts.

**SIGNED on behalf of
The WorldFish Center**

**SIGNED on behalf of
Indian Council of Agricultural
Research (Fisheries Division)**

Stephen Hall
Director General

S. Ayyappan
Deputy Director General (Fisheries)
and Division Head

Date

Date

Appendix 1
The Main Contract

Letter of Agreement

Appendix 2
Operational Procedures

Project Agreement: Standard Clauses and Conditions between the Project Leader and the Partner.

Appendix 3
Research Project

Project Proposal (including budget, milestones plan, Gantt chart, intellectual asset audit)

Appendix 4
Resources to be provided

List of tasks to be undertaken by the Partner to this MOA.

Appendix 5
Payments to be made to partners

List of payments in accordance with the Project Schedule of Payments

Annexes

Appendices of the Project Inception Report (Attached here)

Appendix 1 – Project Inception Workshop

Appendix 2 – Five-Year Work Plan

Appendix 3 – Five-Year Milestone Plan

Appendix 4 – Final Budget Allocation: Sources and Uses of Funds.

Appendix 5 – Schedule of Payments

Appendix 6 – Intellectual Asset Audit

Inception Workshop
COMMUNITY-BASED FISH CULTURE IN IRRIGATION SYSTEMS
AND SEASONAL FLOODPLAINS
(CPWF Project No.35)

7 – 10 June 2005
WorldFish Center, Penang, Malaysia

PROJECT BACKGROUND

This Project is a five-year interdisciplinary action research project with the overall aim of enhancing the productivity of seasonally occurring floodwaters – for the improved and sustained benefit of the livelihoods of the poor.

During rainy season in extensive river floodplains and deltaic lowlands, floods render the land unavailable for crop production for several months each year. These waters are considerably underutilized during this period which raises the opportunity of enclosing parts of these floodwater areas to produce a crop of specifically stocked aquatic organisms. This is in addition to the naturally occurring 'wild' species that are traditionally fished and remain unaffected by the culture activity. Overall, the utilization of these waters for *aquaculture* activities should result to more high-quality, nutrient-dense food production and enhanced farm income for all stakeholders, notably the poor.

The underlying assumption of the approach is that seasonal water-bodies (over flooded crop fields, or ponds and reservoirs in irrigation schemes), can be communally managed by all stakeholders under equitable and sustainable sharing arrangements. (Recent on-farm demonstrations using community-based management in Vietnam and Bangladesh confirmed the feasibility of this management strategy.)

The approach would help mitigate the declining volume of inland capture fisheries production and subsequent increases in fish prices, rendering them less affordable and less accessible to the poor.

In Bangladesh alone, for example, there are 3 million *ha* of medium and deep flooded areas, of which about 1.5 million *ha* are suitable for community-based fish culture. Even if this approach is adopted only in half of that area, annual fish production would increase by 450,000 *t* (in addition to the current 60,000 *t* of wild fish catch) with estimated value of US\$340 million and would benefit an estimated 6.7 million people (2.7 million of which are either landless or functionally landless). Similar opportunities are seen for floodplain and deltaic systems in other countries in Asia and Africa.

The main Project activities are to be conducted in seasonal floodplain and irrigation areas of two *benchmark* river basins (Indus-Ganges and Mekong) and one *non-benchmark* basin (Niger), with option to expand into Senegal basin in the later part of the project.

The Project is a collaborative undertaking of several CGIAR and National Research Centers. Participating institutions include:

- The WorldFish Center
- International Food Policy Research Institute (IFPRI)
- African Rice Center (WARDA)
- Indian Center for Agricultural Research (ICAR)

Annex 1 – Project Inception Workshop

- Central Inland Fisheries Research Institute (CIFRI)
- Central Institute of Freshwater Aquaculture (CIFA)
- Bangladesh Agricultural Research Center (BARC)
- Department of Fisheries of Cambodia
- Ministry of Fisheries of Vietnam (Research Institute for Aquaculture No. 2)
- Inland Valley Consortium-Mali Unit

Specific objectives

The Project has four specific objectives; each benefits one or more target groups:

1. To develop a methodology for measuring water productivity at the landscape level and to assess the contribution of aquatic resources to water productivity in irrigation systems and floodplains.
2. To develop appropriate technical and institutional options for increasing water productivity at basin level through integration of community based fish production into existing floodplain and irrigation systems.
3. To develop a participatory diagnostic and stakeholder-involving diffusion approach for community based fish cultured in shared water bodies.
4. To enhance human resource capacity of NARES for supporting community based fish culture in shared water bodies

The Project will provide (outputs):

- * User-verified technical options for integrating fish and other living aquatic resources into irrigation systems and seasonal floodplains.
- * Demonstrated and locally rooted institutional options for sharing benefits of integrating fish and other living aquatic resources into irrigation systems and seasonal floodplains.
- * A validated participatory diagnostic and stakeholder-involving diffusion approach for community-based fish culture in shared water bodies.
- * Improved capacity of NARES for supporting community-based fish culture in shared water-bodies.

THE INCEPTION WORKSHOP

The Project is for the duration of five years – with three-phase project cycle. The first phase is from 1 April (start of the Project) to 30 June 2005. The second phase will reach completion in 30 March 2008, the third phase on 30 March 2010.

It is during the Phase One of the Project that the implementers – the participating institutions, researchers and investigators, and partners – are to prepare and submit to the CPWF a **Project Inception Report** which would include the following:

1. A Milestones Plan (final plan for the first two years of activities)
2. Work Plan of the Project (Gantt Chart presentation; final plan for the first two years of activities)
3. A Revised Budget (final financial plan for the entire Project); and

Annex 1 – Project Inception Workshop

Note that it is during this workshop that the above documents (Project Inception Report and the four Annexes) are to be finalized by the participants.

The Inception Workshop, therefore, has the following objectives:

- To strengthen the partnership and collaboration among team members, participating institutions, and country partners;
- To firm up the research methodologies and development framework of the Project;
- To identify the various activities necessary for the efficient implementation of the Project and to clearly define the roles and responsibilities of each institute and team member;
- To orient the participants about project management, and administrative and financial arrangements for the successful implementation of the Project; and
- To finalize the Project Inception Report

Annex 1 – Project Inception Workshop

List of Participants

No.	Name	Institute	Title/Position	e-mail
1	Mark Prein	WorldFish Center (WorldFish)	Senior Scientist	m.prein@cgiar.org
2	Madan Dey	WorldFish Center (WorldFish)	Senior Scientist and Director, East and Southeast Asian Region	m.dey@cgiar.org
3	Rowena Valmonte-Santos	International Food Policy Research Institute (IFPRI)	Research Analyst	r.valmonte-santos@cgiar.org
4	Paul Kiepe	WARDA - The Africa Rice Center	Leader, Rice Policy and Development Program	p.kiepe@cgiar.org
5	Md Rafiqul Islam	Department of Fisheries, Bangladesh	Principal Scientific Officer	
6	Khabir Ahmed	Bangladesh Agricultural Research Council (BARC)	Chief Scientific Officer and Head, Fisheries Division	kahmed@barcbgd.org; khabirbarc@yahoo.com
7	Utpal Bhaumik	Central Inland Fisheries Research Institute (CIFRI), Indian Council for Agricultural Research (ICAR)	Principal Scientist (Extension)	utpal_bhaumik@yahoo.com
8	Hav Viseth	Dept. of Fisheries, Cambodia	Aquaculture	naothuok@mobitel.com.kh
9	Nguyen Van Hao	Research Institute for Aquaculture No.2 (RIA-2), Ministry of Fisheries, Vietnam	Director	haoria2@hcm.vnn.vn
10	Zhu Jian	Division of Science and Technology Freshwater Fisheries Research Center	Director	zhuj@ffrc.cn
11	Chen Jiazhang	Division of Fishery Resource and Environmental Protection Freshwater Fisheries Research Center	Director	chenjz@ffrc.cn
12	Robert Arthur	MRAG Ltd London		r.arthur@mrag.co.uk
13	Matthias Halwart	FAO-Inland Fisheries/Aquaculture, Rome	Fishery Resources Officer(Aquaculture)	Matthias.Halwart@fao.org
14	Nicos Perez	WorldFish Center	Consultant/Resource Economist	n.perez@cgiar.org
15	Devendra.K. Kaushal	Indian Council of Agricultural Research (ICAR)-RCER	Principal Scientist (Fisheries)	kaushalmail@linuxmail.org
16	Pamela George	CGIAR-CPWF	Program Manager CPWF	p.george@cgiar.org

Annex 1 – Project Inception Workshop

Inception Seminar and Workshops

Chambo Room, Block J, WorldFish Center

7 – 10 June 2005

Program of Activities

Date and Time	Activity	Presenter/Moderator
<i>Day 1 – Tuesday - 7 June 2005</i>		
8:30 – 9:30	Registration	
9:30 – 10:00	Presentation of Participants	Nicos Perez Workshop Coordinator The WorldFish Center
	Opening and Welcome Address	Steve Hall Director General, The WorldFish Center Madan Dey Director, East and Southeast Asian Region The WorldFish Center
10:00 – 10:30	<i>Coffee Break</i>	
10:30 – 10:45	Workshop Overview	Nicos D. Perez
10:45 – 12:30	Country Presentations	
	- Bangladesh	Khabir Ahmed Head Fisheries Division Bangladesh Agricultural Research Council (BARC)
	- India	Utpal Bhaumik Principal Scientist (Extension) CIFRI, Indian Council for Agricultural Research (ICAR)
	- Vietnam	Nguyen Van Hao Director Research Institute for Aquaculture No.2 (RIA-2), Ministry of Fisheries, Vietnam
	- Cambodia	Hav Viseth Deputy-Director General Dept. of Fisheries, Cambodia

Annex 1 – Project Inception Workshop

	- Mali	Paul Kiepe Leader, Rice Policy and Development Program WARDA
		Matthias Halwart FAO-Inland Fisheries/Aquaculture Rome
	- China	Zhu Jian Director, Division of Fishery Resource and Environmental Protection, Freshwater Fisheries Research Center, P.R.China
	<i>Open Forum</i>	Nicos Perez - Moderator
12:30 – 2:30	<i>Lunch Break</i>	
2:30 – 5:30	R&D Initiatives	
	- CPWF and R&D initiatives at the Global level	Pamela George Program Manager CPWF
	- R&D initiatives at the Theme level	Mark Prein (on behalf of V.V. Sugunan, Theme Leader Aquatic Ecosystem and Fisheries)
	- R&D initiatives at the Basin level	D.K. Kaushal (on behalf of the Basin Coordinator Indus-Ganges)
	- R&D at the Project level (previous undertaking)	Madan Dey Principal Investigator CPWF Project No. 35
4:00 - 4:15	<i>Coffee Break</i>	
4:15 – 5:30	<i>Open Forum</i>	Nicos Perez - Moderator
7:00 – 9:30	<i>Dinner and Socials</i> Host: WorldFish Center	Oriental Seafood Restaurant Georgetown, Penang
Day 2 - Wednesday - 8 June 2005		
Morning Session – Seminar – Research Methodology and Project Implementation Strategy		
8:30 – 9:00	Mechanics of the Inception	Nicos D. Perez

Annex 1 – Project Inception Workshop

9:00 – 9:30	General Framework of the Project	Madan Dey/Nicos Perez
9:30 -10:00	Community Action: Framework for assessing feasibility and constraints across different systems	Rowena Valmonte-Santos Research Analyst IFPRI
10:00 – 10:30	The Adaptive Learning Approach for Community Based Fisheries Management: Experiences from West Bengal/India and Lao PDR	Robert Arthur MRAG London
10:30 – 11:00	Open Forum (<i>working Coffee Break</i>)	Nicos Perez - Moderator
11:00 – 12:30	Discussions on: <ul style="list-style-type: none"> • Project Implementation Plans by country: including number of sites; start-up operations; participating organizations and NGOs; etc. • Technical and Institutional Options for Integrating Living Aquatic Resources in Irrigation Systems and Seasonal Flood Plains • Selection of Project Sites 	All Participants Mark Prein and Madan Dey – Resource Persons
12:30 – 2:00	<i>Lunch Break</i>	
<i>Afternoon Session – Workshop 1 – Preparation of Work Plans</i>		
2:00 – 3:00	Mechanics of Workshop 1	Nicos Perez
3:00 – 3:30	<i>Coffee Break</i>	
3:30 – 5:30	Preparation of Work Plan by Country, Study, and Project	All Participants; Nicos Perez - facilitator
5:30 – 6:30	Consolidation and Finalization of Work Plans	All Participants
<i>Day 3 – Thursday - 9 June 2005</i>		
<i>Morning Session – Workshop 2 – Preparation of Milestone Plans</i>		

Annex 1 – Project Inception Workshop

8:30 – 9:00	Mechanics of Workshop 2	Nicos Perez
9:00 – 11:30 (with coffee break)	Preparation of Work Plan by Country, Study, and Project	All Participants; Nicos Perez - facilitator
11:30 – 12:30	Consolidation and Finalization of Milestone Plans	All Participants
12:30 – 2:00	<i>Lunch Break</i>	
<i>Afternoon Session – Workshop 3 – Financial Management and Preparation of Budgetary Allocation</i>		
2:00 – 3:00	Management of Funds	Yap Way Ling /Nicos Perez
3:00 – 3:30	<i>Coffee Break</i>	
3:30 – 5:30	Preparation of Budgetary Allocation by Country, Study, and Project	All Participants; Nicos Perez - facilitator
5:30 – 6:30	Consolidation and Finalization of Budgetary Allocations	All Participants
<i>Day 4 - Friday - 10 June 2005</i>		
<i>Morning Session – Workshop 4 – Presentation of Output (Work, Milestones, Budget Plans)</i>		
8:30 – 10:00	Presentation by Country, Study, and Project	All Participants
10:00 – 10:30	<i>Coffee Break</i>	
10:30 – 12:30	Action Planning: The Next Step and Consolidation of Workshop Outputs; Project Coordination and Administrative Matters	All Participants
12:30 – 2:00	<i>Lunch Break</i>	
<i>Afternoon Session – Field Trip and City Tour</i>		
2:00 – 6:30	Visit to Fishermen's Village and City tour	

Annex 2 – Five-Year Work Plan

Work and Milestone Plans: Year 1 to Year 5
 Community-Based Fish Culture in Irrigation Systems and Seasonal Floodplains
 CPWF Project No. 35

No.	Activity/Task	Team	Year 1 Apr 2005-Mar 2006			Year 2 Apr 2006-Mar 2007			Year 3 Apr 2007-Mar 2008			Year 4 Apr 2008-Mar 2009			Year 5 Apr 2009-Mar 2010		
			A	M	J	J	J	J	J	J	J	J	J	J	J	J	J
4	Design technical options																
4.1	Select study sites and control sites	WorldFish, BD/IN															
	- Sites in Indo-Ganges basins	WorldFish, VN/KH															
	- Sites in Mekong basin	WorldFish, WARD, ML															
	- Sites in Niger basin	WorldFish, CN															
4.2	Baseline survey/appraisals	WorldFish, BD/IN															
	- Sites in Indo-Ganges basins	WorldFish, VN/KH															
	- Sites in Mekong basin	WorldFish, WARD, ML															
	- Sites in Niger basin	WorldFish, CN															
4.3	Design technical options by location	WorldFish, BD/IN															
	- Sites in Indo-Ganges basins	WorldFish, VN/KH															
	- Sites in Mekong basin	WorldFish, WARD, ML															
	- Sites in Niger basin	WorldFish, CN															
4.1	Task-specific milestone																
	Shortlisting of potential sites	WorldFish, BD/IN															
	- Sites in Indo-Ganges basins	WorldFish, VN/KH															
	- Sites in Mekong basin	WorldFish, WARD, ML															
	- Sites in Niger basin	WorldFish, CN															
4.2	Sites selected	WorldFish, BD/IN															
	- Sites in Indo-Ganges basins	WorldFish, VN/KH															
	- Sites in Mekong basin	WorldFish, WARD, ML															
	- Sites in Niger basin	WorldFish, CN															
4.3	Survey design and instrument for baseline survey and appraisals constructed	WorldFish, CN															
	- Sites in Indo-Ganges basins	WorldFish, BD/IN															
	- Sites in Mekong basin	WorldFish, VN/KH															
	- Sites in Niger basin	WorldFish, WARD, ML															
4.4	Baseline survey and appraisals completed	WorldFish, CN															
	- Sites in Indo-Ganges basins	WorldFish, BD/IN															
	- Sites in Mekong basin	WorldFish, VN/KH															
	- Sites in Niger basin	WorldFish, WARD, ML															
4.5	Technical design for testing	WorldFish, CN															
	- Sites in Indo-Ganges basins	WorldFish, BD/IN															
	- Sites in Mekong basin	WorldFish, VN/KH															
	- Sites in Niger basin	WorldFish, WARD, ML															
4.6	Research report on design of site-specific technology	WorldFish, CN WorldFish, 6CP															

Annex 2 – Five-Year Work Plan

Work and Milestone Plans: Year 1 to Year 5 Community-Based Fish Culture in Irrigation Systems and Seasonal Floodplains CPWF Project No. 35

No.	Activity/Task	Team	Year 1 Apr-2005-Mar-2006			Year 2 Apr-2006-Mar-2007			Year 3 Apr-2007-Mar-2008			Year 4 Apr-2008-Mar-2009			Year 5 Apr-2009-Mar-2010			
			A	M	J	A	M	J	A	M	J	A	M	J	A	M	J	
5.1	Design institutional options Survey/appraisals of institutional arrangements - Sites in Indo-Ganges basins - Sites in Mekong basin - Sites in Niger basin - Sites in Yellow (and Yantze) basin	IFPRI, WorldFish, BD/IN																
		IFPRI, WorldFish, VN/KH																
		IFPRI, WorldFish, WARDA, ML																
		IFPRI, WorldFish, CN																
		IFPRI, WorldFish, BD/IN																
5.2	Designing site-specific community-based mechanisms - Sites in Indo-Ganges basins - Sites in Mekong basin - Sites in Niger basin - Sites in Yellow (and Yantze) basin	IFPRI, WorldFish, VN/KH																
		IFPRI, WorldFish, WARDA, ML																
		IFPRI, WorldFish, CN																
		WorldFish, BD/IN																
		WorldFish, VN/KH																
5.3	Task-specific milestone Survey design and instrument for baseline survey and appraisals constructed - Sites in Indo-Ganges basins - Sites in Mekong basin - Sites in Niger basin - Sites in Yellow (and Yantze) basin Surveys and appraisals conducted - Sites in Indo-Ganges basins - Sites in Mekong basin - Sites in Niger basin - Sites in Yellow (and Yantze) basin	WorldFish, WARDA, ML																
		WorldFish, CN																
		IFPRI, WorldFish, BD/IN																
		IFPRI, WorldFish, VN/KH																
		IFPRI, WorldFish, WARDA, ML																
5.4	Institutional options designed. - Sites in Indo-Ganges basins - Sites in Mekong basin - Sites in Niger basin - Sites in Yellow (and Yantze) basin Research report on the design of site-specific institutional arrangement	IFPRI, WorldFish, BD/IN																
		IFPRI, WorldFish, VN/KH																
		IFPRI, WorldFish, WARDA, ML																
		IFPRI, WorldFish, CN																

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
Phase One – Project Inception/Startup						
1	1 st	i	Output	Draft Memorandum of Agreements (MOAs) among partners	30/06/2005	Copy of draft MOA
1	1 st	i	Activity	Conduct of Project Inception Workshop	30/06/2005	Printed copy of Workshop Program of Activities
1	1 st	i	Output	Two-year Project Milestone Plan	30/06/2005	Submission of plan
1	1 st	i	Output	Two-year Project Work Plan	30/06/2005	Submission of plan
1	1 st	i	Output	Project Final Budget/ Financial Plan	30/06/2005	Submission of plan
1	1 st	i	Output	Project Intellectual Asset Audit	30/06/2005	Submission of Audit/Report
1	1 st	i	Activity	Project support staff recruited	30/06/2005	Appointment of new project staff
Phase Two						
1	2 nd	2	Activity	Short-list of potential sites for case study for: - Indo-Ganges basin and - Mekong basin	31/08/2005	List of potential sites with brief profile
1	2 nd	4, 5	Activity	Short-list of potential sites for design of technical and institutional options for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/08/2005	List of potential sites with brief profile
1	2 nd	2	Activity	Short-list of potential sites for	30/09/2005	List of potential

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				case study for: - Niger basin		sites with brief profile
1	2 nd	4, 5	Input	Survey design and instrument for baseline survey and appraisal for: - Indo-Ganges basin - Mekong basin	30/09/2005	Printed copy of survey instrument
1	3 rd	2	Activity	Short-list of potential sites for case study for: - Yellow basin	31/10/2005	List of potential sites with brief profile
1	3 rd	2	Activity	Sites for case study selected for: - Indo-Ganges basin - Mekong basin	31/10/2005	List of selected sites
1	3 rd	3	Activity	Graduate student selected	31/10/2005	Name of student, professor and school
1	3 rd	4, 5	Activity	Sites for the design of technical and institutional options selected for: - Indo-Ganges basin and - Mekong basin - Niger basin - Yellow basin	31/10/2005	List of sites
1	3 rd	7	Activity	Graduate student selected for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/10/2005	Name of student, professor and school
1	3 rd	2	Activity	Sites for case study selected for: - Niger basin	30/11/2005	List of selected sites
1	3 rd	4, 5	Input	Survey design and instrument	30/11/2005	Printed copy of

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				for baseline survey and appraisal for: - Niger basin - Yellow basin		survey instrument
1	3 rd	1	Activity	Graduate student selected	31/12/2005	Name of student, professor and school
1	3 rd	2	Activity	Sites for case study selected for: - Yellow basin	31/12/2005	List of selected sites
1	3 rd	3	Activity	Workshop on participatory diffusion approach conducted for: - Indo-Ganges basin and - Mekong basin	31/12/2005	Printed copy of Workshop Program of Activities
1	3 rd	7	Output	Workplans for Project sites established for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/12/2005	Copy of workplans
1	4 th	3	Activity	Workshop on participatory diffusion approach conducted for: - Niger basin	31/01/2006	Printed copy of Workshop Program of Activities
1	4 th	3	Activity	Workshop on participatory diffusion approach conducted for: - Yellow basin	28/02/2006	Printed copy of Workshop Program of Activities
1	4 th	1	Input	Literature review completed	31/03/2006	Review of literature document
1	4 th	8	Activity	Annual internal review conducted for: - Indo-Ganges basin	31/03/2006	Report of reviewers

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				- Mekong basin - Niger basin and - Yellow basin		
2	1 st	6	Activity	Project implementation committees (PICs) for each site formed for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	30/04/2006	Documentations on PIC formation
2	1 st	6	Activity	Community-based groups formed in: - Yellow basin	30/04/2006	Documentations on organization; minutes of meetings; registration; reports
2	1 st	4, 5	Input	Baseline survey and appraisal completed for: - Indo-Ganges basin - Mekong basin	31/05/2006	Completed survey forms; data analyses
2	1 st	5	Output	Institutional options designed for: - Indo-Ganges basin and - Mekong basin	31/05/2006	Report on institutional options formulated
2	1 st	6	Activity	Community-based groups formed in: - Mekong basin - Niger basin	31/05/2006	Documentations on organization; minutes of meetings; registration; reports
2	1 st	6	Activity	First year fish culture trials established for: - Mekong basin - Yellow basin	31/05/2006	Fish culture enclosures constructed; audio-visual records
2	1 st	7	Activity	Project management	31/05/2006	Workshops

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				workshops conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin		documents
2	1 st	1	Output	Initial methodology on water productivity measurement	30/06/2006	Submission of write-up on methodology formulated
2	1 st	3	Output	Framework for participatory diffusion approach	30/06/2006	Submission of write-up on framework developed
2	1 st	4	Output	Technical design ready for testing for: - Indo-Ganges basin and - Mekong basin	30/06/2006	Submission of write-up on site-specific technical design
2	1 st	6	Activity	Community-based groups formed in: - Indo-Ganges basin	30/06/2006	Documentations on organization; minutes of meetings; registration; reports
2	1 st	6	Activity	First year fish culture trials established for: - Indo-Ganges basin	30/06/2006	Fish culture enclosures constructed; audio-visual records
2	2 nd	4, 5	Activity	Baseline survey and appraisal completed for: - Niger basin and - Yellow basin	31/07/2006	Completed survey forms; data analyses
2	2 nd	5	Output	Institutional options designed for: - Niger basin and - Yellow basin	31/07/2006	Report on institutional options formulated

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
2	2 nd	6	Activity	First year fish culture trials established for: - Niger basin and - Yellow basin	31/07/2006	Fish culture enclosures constructed; audio-visual records
2	2 nd	4	Output	Technical design ready for testing for: - Niger basin and - Yellow basin	31/08/2006	Submission of write-up on site-specific technical design
2	3 rd	6	Output	First year fish culture trials harvested for: - Yellow basin	30/11/2006	Records of harvest; Audio-visual record
2	3 rd	6	Activity	First year fish culture monitoring data analyzed for: - Yellow basin	31/12/2006	Records of harvest; report of initial results
2	4 th	1	Activity	Initial methodology for measuring water productivity - validated	31/01/2007	Report on validation results
2	4 th	2	Activity	Case study reports completed for: - Indo-Ganges basin and - Mekong basin	31/01/2007	Reports on case studies
2	4 th	6	Output	First year fish culture trials harvested for: - Mekong basin	31/01/2007	Records of harvest; Audio-visual record
2	4 th	2	Activity	Case study reports completed for: - Niger basin	28/02/2007	Reports on case studies
2	4 th	4	Output	Research report on design of site-specific fish culture technology	28/02/2007	Research report
2	4 th	5	Output	Research report on design of site-specific institutional arrangement	28/02/2007	Research report

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
2	4 th	6	Activity	First year fish culture monitoring data analyzed for: - Mekong basin	28/02/2007	Records of harvest; report of initial results
2	4 th	6	Output	First year fish culture trials harvested for: - Niger basin	28/02/2007	Records of harvest; Audio-visual record
2	4 th	2	Activity	Case study reports completed for: - Indo-Ganges basin and - Mekong basin	31/03/2007	Reports on case studies
2	4 th	6	Output	First year fish culture trials harvested for: - Indo-Ganges basin	31/03/2007	Records of harvest; Audio-visual record
2	4 th	6	Activity	First year fish culture monitoring data analyzed for: - Mekong basin	31/03/2007	Records of harvest; report of initial results
2	4 th	8	Activity	Annual internal review conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/03/2007	Report of reviewers
3	1 st	6	Activity	First year fish culture monitoring data analyzed for: - Indo-Ganges basin	30/04/2007	Records of harvest; report of initial results
3	1 st	1	Output	Final methodology on water productivity measurement	31/05/2007	Submission of write-up on methodology formulated
3	1 st	2	Output	Contribution of aquatic resources to water productivity	31/05/2007	Submission of report
3	1 st	6	Activity	Second year fish culture trials established for:	31/05/2007	Fish culture enclosures re-

Five-Year Project Milestone Plan

Project number: CPWF PN-35
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 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				- Yellow basin		established; audio-visual records
3	2 nd	6	Activity	Second year fish culture trials established for: - Mekong basin	31/07/2007	Fish culture enclosures re-established; audio-visual records
3	2 nd	6	Activity	Second year fish culture trials established for: - Niger basin	31/07/2007	Fish culture enclosures re-established; audio-visual records
3	2 nd	6	Activity	Second year fish culture trials established for: - Indo-Ganges basin	30/09/2007	Fish culture enclosures re-established; audio-visual records
3	3 rd	6	Output	Second year fish culture trials harvested for: - Yellow basin	30/11/2007	Records of harvest; Audio-visual record
3	3 rd	6	Output	Methodological framework for the measurement of water productivity	31/12/2007	Research report
3	3 rd	6	Activity	Second year fish culture monitoring data analyzed for: - Yellow basin	31/12/2007	Records of harvest; report of initial results
3	4 th	6	Output	Second year fish culture trials harvested for: - Mekong basin	31/01/2008	Records of harvest; Audio-visual record
3	4 th	6	Activity	Second year fish culture monitoring data analyzed for: - Mekong basin	29/02/2008	Records of harvest; report of initial results
3	4 th	6	Output	Second year fish culture trials harvested for: - Niger basin	29/02/2008	Records of harvest; Audio-visual record
3	4 th	6	Activity	Second year fish culture trials harvested for: - Indo-Ganges basin	31/03/2008	Records of harvest; Audio-visual record

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
3	4 th	6	Activity	Second year fish culture monitoring data analyzed for: - Niger basin	31/03/2008	Records of harvest; report of initial results
3	4 th	8	Activity	Annual internal review conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/03/2008	Report of reviewers
3	4 th	8	Activity	External review conducted for the project	31/03/2008	Report of external reviewers
Phase Three						
4	1 st	6	Activity	Second year fish culture monitoring data analyzed for: - Indo-Ganges basin	30/04/2008	Records of harvest; report of initial results
4	1 st	6	Activity	Third year fish culture trials established for: - Yellow basin	31/05/2008	Fish culture enclosures re-established; audio-visual records
4	1 st	7	Activity	Project management workshops conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/05/2008	Workshops documents
4	2 nd	6	Activity	Third year fish culture trials established for: - Mekong basin	31/07/2008	Fish culture enclosures re-established; audio-visual records
4	2 nd	6	Activity	Third year fish culture trials established for: - Niger basin	31/07/2008	Fish culture enclosures re-established; audio-visual records
4	2 nd	6	Activity	Third year fish culture trials	3/09/2008	Fish culture enclosures re-

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Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				established for: - Indo-Ganges basin		established; audio-visual records
4	3 rd	6	Output	Third year fish culture trials harvested for: - Yellow basin	30/11/2008	Records of harvest; Audio-visual record
4	3 rd	6	Activity	Third year fish culture monitoring data analyzed for: - Yellow basin	31/12/2008	Records of harvest; report of initial results
4	4 th	6	Output	Third year fish culture trials harvested for: - Mekong basin	31/01/2009	Records of harvest; Audio-visual record
4	4 th	6	Activity	Third year fish culture monitoring data analyzed for: - Mekong basin	28/02/2009	Records of harvest; report of initial results
4	4 th	6	Output	Third year fish culture trials harvested for: - Niger basin	28/02/2009	Records of harvest; Audio-visual record
4	4 th	6	Activity	Third year fish culture trials harvested for: - Indo-Ganges basin	31/03/2009	Records of harvest; Audio-visual record
4	4 th	6	Activity	Dissemination of tested technology initiated for: - Mekong basin	31/03/2009	Packaged technology materials
4	4 th	6	Activity	Third year fish culture monitoring data analyzed for: - Niger basin	31/03/2009	Records of harvest; report of initial results
4	4 th	8	Activity	Annual internal review conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/03/2009	Report of reviewers
5	1 st	6	Activity	Third year fish culture	30/04/2009	Records of

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				monitoring data analyzed for: - Indo-Ganges basin		harvest; report of initial results
5	1 st	7	Output	Dissertation researches of six graduate students - completed	30/04/2009	Draft theses
5	2 nd	6	Activity	Dissemination of tested technology initiated for: - Indo-Ganges basin	30/09/2009	Packaged technology materials
5	2 nd	6	Activity	Three-year fish culture monitoring data analyzed for: - Indo-Ganges basin	30/09/2009	Report of initial results
5	2 nd	6	Activity	Adoption survey completed for: - Indo-Ganges basin	30/09/2009	Accomplished survey materials or questionnaires
5	2 nd	6	Activity	Three-year fish culture monitoring data analyzed for: - Mekong basin	30/09/2009	Report of initial results
5	2 nd	6	Activity	Adoption survey completed for: - Mekong basin	30/09/2009	Accomplished survey materials or questionnaires
5	2 nd	6	Activity	Dissemination of tested technology initiated for: - Niger basin	30/09/2009	Packaged technology materials
5	2 nd	6	Activity	Three-year fish culture monitoring data analyzed for: - Niger basin	30/09/2009	Report of initial results
5	2 nd	6	Activity	Adoption survey completed for: - Niger basin	30/09/2009	Accomplished survey materials or questionnaires
5	2 nd	6	Activity	Dissemination of tested technology initiated for: - Yellow basin	30/09/2009	Packaged technology materials
5	2 nd	6	Activity	Three-year fish culture	30/09/2009	Report of initial

Five-Year Project Milestone Plan

Project number: CPWF PN-35
 Project title: Community-Based Fish Culture
 Starting date: 01/04/2005
 Completion date: 31/03/2010

Yr*	Qtr*	Act #	Type	Description	Deadline*	Means of verification
				monitoring data analyzed for: - Yellow basin		results
5	2 nd	6	Activity	Adoption survey completed for: - Yellow basin	30/09/2009	Accomplished survey materials or questionnaires
5	3 rd	6	Output	Research reports on community-based fish culture for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	31/12/2009	Research report
5	4 th	7	Output	Theses submitted by graduate students	31/01/2010	Copies of theses
5	4 th	7	Activity	Project terminal workshops conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	28/02/2010	Workshops documents
5	4 th	7	Activity	Project terminal workshops conducted for: - Indo-Ganges basin - Mekong basin - Niger basin and - Yellow basin	28/02/2010	Workshops documents

*Project-year starts in April and ends in March – to coincide with the start of the Project in April 2005. So that 1st quarter is from April-June; 2nd quarter is from July-Sept; 3rd quarter is from Oct-Dec; and 4th quarter is from Jan-March

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - CPWF PN-35, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
1	Contributed Funds						
	Matching funds						
2.1.1	Project Leader Salary	13,500	14,250	15,000	15,750	16,500	75,000
2.1.2a	PI (International)	10,800	11,400	12,000	12,600	13,200	60,000
2.1.3a	PI (National)	10,800	11,400	12,000	12,600	13,200	60,000
3.1.1	Office Equipment	16,000	16,000	16,000	16,000	16,000	80,000
3.2.1	Communication/Publication		5,000	5,000	5,000	5,000	20,000
	Total	51,100	58,050	60,000	61,950	63,900	295,000
2	Funds Requested from the CPWF						
	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.1	Project Leader	27,000	28,500	30,000	31,500	33,000	150,000
2.1.2	Principal investigators (International)	45,900	48,450	51,000	53,550	56,100	255,000
2.1.3	Principal investigators (National)	11,000	11,000	11,000	11,000	11,000	55,000
2.1.4	Consultants	39,060	41,230	43,400	45,570	47,740	217,000
2.1.5	Support Staff	34,560	46,080	46,800	47,520	48,240	223,200
2.2	Travel and accommodation						
2.2.1	Project Leader	5,000	5,000	4,000	4,000	2,000	20,000
2.2.2	Principal investigators (International)	17,500	17,500	14,000	14,000	7,000	70,000
2.2.4	PI (National), Consultants & Support staff	6,117	11,893	11,518	11,518	5,026	46,072
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	7,150	14,300	7,150			28,600
3.2	Communication costs and consumables						
3.2.1	Communication expenses	2,000	5,000	5,000	5,000	5,000	22,000
3.2.2	Office supplies	2,660	2,660	2,660	2,660	2,660	13,300
3.2.4	Field research supplies	25,975	84,409	84,529	83,681	10,484	289,078
3.2.5	Other services (workshops & PhD fellowships)	38,647	25,329	36,947	25,329	36,747	163,000
	Total of 2 & 3	262,569	341,351	348,004	335,328	264,998	1,552,250
4	Miscellaneous						
4.1	Contingency (3%)	7,877	10,241	10,440	10,060	7,950	46,567
4.2	Overheads (on WorldFish part)						73,737
4.3	Others (4% mgt fee on NARES)						25,355
	Total requested from the CPWF	270,447	351,592	358,444	345,388	272,947	1,697,910
	Grand Total	321,547	409,642	418,444	407,338	336,847	1,992,910

Annual sources and uses of funds - Three-CGIAR Centers (The WorldFish Center, IFPRI, WARD) operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
Contributed Funds							
1	Matching funds						
2.1.1	Project Leader Salary	13,500	14,250	15,000	15,750	16,500	75,000
2.1.2a	PI (International)	10,800	11,400	12,000	12,600	13,200	60,000
3.1.1	Office Equipment	8,000	8,000	8,000	8,000	8,000	40,000
3.2.1	Communication/Publication		5,000	5,000	5,000	5,000	20,000
	Total	32,300	38,650	40,000	41,350	42,700	195,000
Funds Requested from the CPWF							
2	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.1	Project Leader	27,000	28,500	30,000	31,500	33,000	150,000
2.1.2	Principal investigators (International)	45,900	48,450	51,000	53,550	56,100	255,000
2.1.3	Principal investigators (National)						
2.1.4	Consultants	39,060	41,230	43,400	45,570	47,740	217,000
2.1.5	Support Staff	12,960	13,680	14,400	15,120	15,840	72,000
2.2	Travel and accommodation						
2.2.1	Project Leader	5,000	5,000	4,000	4,000	2,000	20,000
2.2.2	Principal investigators (International)	17,500	17,500	14,000	14,000	7,000	70,000
2.2.4	Consultants & Support staff	837	2,093	2,093	2,093	1,256	8,372
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	2,500	5,000	2,500			10,000
3.2	Communication costs and consumables						
3.2.1	Communication expenses	2,000	5,000	5,000	5,000	5,000	22,000
3.2.2	Office supplies	800	800	800	800	800	4,000
3.2.4	Field research supplies	6,511	11,417	11,537	10,689	5,618	45,772
3.2.5	Other services (workshops & PhD fellowships)	16,000	11,000	16,000	11,000	16,000	70,000
	Total of 2 & 3	176,068	189,670	194,730	193,322	190,354	944,144
4	Miscellaneous						
4.1	Contingency (3%)						
4.2	Overheads (on WorldFish part)						
4.3	Others (4% mgt fee on NARES)						
	Total requested from the CPWF	176,068	189,670	194,730	193,322	190,354	944,144
	Grand Total	208,368	228,320	234,730	234,672	233,054	1,139,144

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - The WorldFish Center operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
1	Contributed Funds						
	Matching funds						
2.1.1	Project Leader Salary	13,500	14,250	15,000	15,750	16,500	75,000
2.1.2a	PI (International)	10,800	11,400	12,000	12,600	13,200	60,000
3.1.1	Office Equipment	8,000	8,000	8,000	8,000	8,000	40,000
3.2.1	Communication/Publication		5,000	5,000	5,000	5,000	20,000
	Total	32,300	38,650	40,000	41,350	42,700	195,000
2	Funds Requested from the CPWF						
	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.1	Project Leader	27,000	28,500	30,000	31,500	33,000	150,000
2.1.2	Principal investigators (International)	19,046	20,611	24,000	25,565	30,778	120,000
2.1.3	Principal investigators (National)						
2.1.4	Consultants	39,060	41,230	43,400	45,570	47,740	217,000
2.1.5	Support Staff	12,960	13,680	14,400	15,120	15,840	72,000
2.2	Travel and accommodation						
2.2.1	Project Leader	5,000	5,000	4,000	4,000	2,000	20,000
2.2.2	Principal investigators (International)	8,398	8,202	4,900	5,500	3,000	30,000
2.2.4	Consultants & Support staff	837	2,093	2,093	2,093	1,256	8,372
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	2,500	5,000	2,500			10,000
3.2	Communication costs and consumables						
3.2.1	Communication expenses	2,000	5,000	5,000	5,000	5,000	22,000
3.2.2	Office supplies	800	800	800	800	800	4,000
3.2.4	Field research supplies*	6,511	11,417	11,537	10,689	5,618	45,772
3.2.5	Other services (workshops & PhD fellowships)	16,000	11,000	16,000	11,000	16,000	70,000
	Total of 2 & 3	140,112	152,533	158,630	156,837	161,032	769,144
4	Miscellaneous						
4.1	Contingency (3%)						
4.2	Overheads (on WorldFish part)						
4.3	Others (4% mgt fee on NARES)						
	Total requested from the CPWF	140,112	152,533	158,630	156,837	161,032	769,144
	Grand Total	172,412	191,183	198,630	198,187	203,732	964,144

* 7% of NARES funds for re-allocation later in the Project.

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - IFPRI operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
1	Contributed Funds						
	Matching funds						
2	Funds Requested from the CPWF						
	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.1	Project Leader						
2.1.2	Principal investigators (International)	19,873	20,672	20,374	21,173	19,778	101,870
2.1.3	Principal investigators (National)						
2.1.4	Consultants						
2.1.5	Support Staff						
2.2	Travel and accommodation						
2.2.1	Project Leader						
2.2.2	Principal investigators (International)	6,942	6,942	6,942	6,340	3,018	30,184
2.2.3	Principal investigators (National)						
2.2.4	Consultants & Support staff						
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment						
3.1.2	Laboratory equipment						
3.1.3	Field equipment						
3.1.4	Other equipment						
3.2	Communication costs and consumables						
3.2.1	Communication expenses						
3.2.2	Office supplies						
3.2.3	Laboratory supplies						
3.2.4	Field research supplies						
3.2.5	Other services (workshops & PhD fellowships)						
3.3							
	Total of 2 & 3	26,815	27,614	27,316	27,513	22,796	132,054
4	Miscellaneous						
4.1	Contingency (3%)						
4.2	Overheads (on WorldFish part)						
4.3	Others (4% mgt fee on NARES)						
	Total requested from the CPWF	26,815	27,614	27,316	27,513	22,796	132,054
	Grand Total	26,815	27,614	27,316	27,513	22,796	132,054

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - WARDA operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
1	Contributed Funds						
	Matching funds						
2	Funds Requested from the CPWF						
	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.1	Project Leader						
2.1.2	Principal investigators (International)	6,981	7,167	6,626	6,812	5,544	33,130
2.1.3	Principal investigators (National)						
2.1.4	Consultants						
2.1.5	Support Staff						
2.2	Travel and accommodation						
2.2.1	Project Leader						
2.2.2	Principal investigators (International)	2,160	2,356	2,158	2,160	982	9,816
2.2.3	Principal investigators (National)						
2.2.4	Consultants & Support staff						
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment						
3.1.2	Laboratory equipment						
3.1.3	Field equipment						
3.1.4	Other equipment						
3.2	Communication costs and consumables						
3.2.1	Communication expenses						
3.2.2	Office supplies						
3.2.3	Laboratory supplies						
3.2.4	Field research supplies						
3.2.5	Other services (workshops & PhD fellowships)						
3.3							
	Total of 2 & 3	9,141	9,523	8,784	8,972	6,526	42,946
4	Miscellaneous						
4.1	Contingency (3%)						
4.2	Overheads (on WorldFish part)						
4.3	Others (4% mgt fee on NARES)						
	Total requested from the CPWF	9,141	9,523	8,784	8,972	6,526	42,946
	Grand Total	9,141	9,523	8,784	8,972	6,526	42,946

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - Six-country field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
..... in US \$							
Contributed Funds							
1	Matching funds						60,000
2.1.3a	PI (National)	10,800	11,400	12,000	12,600	13,200	
3.1.1	Office Equipment	8,000	8,000	8,000	8,000	8,000	40,000
	Total	18,800	19,400	20,000	20,600	21,200	100,000
Funds Requested from the CPWF							
2	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.3	Principal investigators (National)	11,000	11,000	11,000	11,000	11,000	55,000
2.1.5	Support Staff	21,600	32,400	32,400	32,400	32,400	151,200
2.2	Travel and accommodation						
2.2.4	PI (National), Consultants & Support staff	5,280	9,800	9,425	9,425	3,770	37,700
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	4,650	9,300	4,650			18,600
3.2	Communication costs and consumables						
3.2.2	Office supplies	1,860	1,860	1,860	1,860	1,860	9,300
3.2.4	Field research supplies	19,464	72,992	72,992	72,992	4,866	243,306
3.2.5	Other services (workshops & PhD fellowships)	22,647	14,329	20,947	14,329	20,747	93,000
	Total of 2 & 3	86,502	151,681	153,274	142,006	74,643	608,106
4	Miscellaneous						
4.1	Contingency (3%)						
4.2	Overheads (on WorldFish part)						
4.3	Others (4% mgt fee on NARES)						
	Total requested from the CPWF	86,502	151,681	153,274	142,006	74,643	608,106
	Grand Total	105,302	171,081	173,274	162,606	95,843	708,106

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - Bangladesh field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
in US \$							
Contributed Funds							
Matching funds							
1	PI (National)	2,700	2,850	3,000	3,150	3,300	15,000
2.1.3a	Office Equipment	2,400	2,400	2,400	2,400	2,400	12,000
3.1.1	Total	5,100	5,250	5,400	5,550	5,700	27,000
Funds Requested from the CPWF							
Personnel remunerations, travel and accommodation							
Personnel costs							
2	Principal investigators (National)	2,000	2,000	2,000	2,000	2,000	10,000
2.1	Support Staff	4,000	6,000	6,000	6,000	6,000	28,000
2.1.3	Travel and accommodation						
2.2	PI (National) and Support staff	750	2,250	1,875	1,875	750	7,500
2.2.4	Research operational costs						
3	Equipment	900	1,800	900			3,600
3.1	Communication costs and consumables						
3.1.1	Office supplies	360	360	360	360	360	1,800
3.2	Field research supplies	3,904	14,639	14,639	14,639	976	48,798
3.2.2	Other services (workshops & PhD fellowships)	5,000	3,300	3,300	3,300	3,100	18,000
3.2.4	Total requested from the CPWF	16,914	30,349	29,074	28,174	13,186	117,698
3.2.5	Grand Total	22,014	35,599	34,474	33,724	18,886	144,698

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - India field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
Contributed Funds							
1	Matching funds						
2.1.3a	PI (National)	2,700	2,850	3,000	3,150	3,300	15,000
3.1.1	Office Equipment	2,400	2,400	2,400	2,400	2,400	12,000
	Total	5,100	5,250	5,400	5,550	5,700	27,000
Funds Requested from the CPWF							
2	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.3	Principal investigators (National)	1,000	1,000	1,000	1,000	1,000	5,000
2.1.5	Support Staff/2 scholars	4,000	6,000	6,000	6,000	6,000	28,000
2.2	Travel and accommodation						
2.2.4	PI (National) and Support staff	1,530	2,550	2,550	2,550	1,020	10,200
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	900	1,800	900			3,600
3.2	Communication costs and consumables						
3.2.2	Office supplies	360	360	360	360	360	1,800
3.2.4	Field research supplies	4,088	15,329	15,329	15,329	1,022	51,098
3.2.5	Other services (workshops & PhD fellowships)	4,235	2,647	4,235	2,647	4,235	18,000
	Total requested from the CPWF	16,113	29,686	30,375	27,886	13,637	117,698
	Grand Total	21,213	34,936	35,775	33,436	19,337	144,698

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - Vietnam field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
in US \$							
Contributed Funds							
Matching funds							
1	PI (National)	2,700	2,850	3,000	3,150	3,300	15,000
2.1.3a	Office Equipment	1,600	1,600	1,600	1,600	1,600	8,000
3.1.1	Total	4,300	4,450	4,600	4,750	4,900	23,000
Funds Requested from the CPWF							
Personnel remunerations, travel and accommodation							
Personnel costs							
2	Principal investigators (National)	2,000	2,000	2,000	2,000	2,000	10,000
2.1	Support Staff	4,000	6,000	6,000	6,000	6,000	28,000
Travel and accommodation							
2.2	PI (National), Consultants & Support staff	750	1,250	1,250	1,250	500	5,000
Research operational costs							
3	Office equipment	900	1,800	900			3,600
3.1	Equipment						
3.1.1	Office equipment	900	1,800	900			3,600
Communication costs and consumables							
3.2	Office supplies	360	360	360	360	360	1,800
3.2.2	Field research supplies	4,104	15,389	15,389	15,389	1,026	51,298
3.2.4	Other services (workshops & PhD fellowships)	4,235	2,647	4,235	2,647	4,235	18,000
3.2.5	Total requested from the CPWF	16,349	29,446	30,135	27,646	14,121	117,698
Grand Total		20,649	33,896	34,735	32,396	19,021	140,698

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - Cambodia field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
in US \$							
Contributed Funds							
Matching funds							
1	PI (National)	2,700	2,850	3,000	3,150	3,300	15,000
2.1.3a	Office Equipment	1,600	1,600	1,600	1,600	1,600	8,000
3.1.1	Total	4,300	4,450	4,600	4,750	4,900	23,000
Funds Requested from the CPWF							
Personnel remunerations, travel and accommodation							
Personnel costs							
2	Principal investigators (National)	2,000	2,000	2,000	2,000	2,000	10,000
2.1	Support Staff	3,200	4,800	4,800	4,800	4,800	22,400
2.1.3	Travel and accommodation						
2.1.5	PI (National), Consultants & Support staff	750	1,250	1,250	1,250	500	5,000
2.2	Research operational costs						
2.2.4	Equipment	650	1,300	650			2,600
3	Communication costs and consumables						
3.1	Office supplies	260	260	260	260	260	1,300
3.1.1	Field research supplies	2,456	9,211	9,211	9,211	614	30,704
3.2	Other services (workshops & PhD fellowships)	3,059	1,912	3,059	1,912	3,059	13,000
3.2.2	Total requested from the CPWF	12,375	20,733	21,230	19,433	11,233	85,004
3.2.4	Grand Total	16,675	25,183	25,830	24,183	16,133	108,004

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - Mali field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
1	Contributed Funds						
	Matching funds						
2	Funds Requested from the CPWF						
	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.3	Principal investigators (National)	2,000	2,000	2,000	2,000	2,000	10,000
2.1.5	Support Staff	3,200	4,800	4,800	4,800	4,800	22,400
2.2	Travel and accommodation						
2.2.4	PI (National), Consultants & Support staff	750	1,250	1,250	1,250	500	5,000
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	650	1,300	650			2,600
3.2	Communication costs and consumables						
3.2.2	Office supplies	260	260	260	260	260	1,300
3.2.4	Field research supplies	2,456	9,211	9,211	9,211	614	30,704
3.2.5	Other services (workshops & PhD fellowships)	3,059	1,912	3,059	1,912	3,059	13,000
	Total requested from the CPWF	12,375	20,733	21,230	19,433	11,233	85,004
	Grand Total	12,375	20,733	21,230	19,433	11,233	85,004

Annex 4 – Final Budget Allocation
Sources and Uses of Resources

Annual sources and uses of funds - China field operations, April 2005 to March 2010.

Code	Line Items	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
----- in US \$ -----							
1	Contributed Funds						
	Matching funds						
2	Funds Requested from the CPWF						
	Personnel remunerations, travel and accommodation						
2.1	Personnel costs						
2.1.3	Principal investigators (National)	2,000	2,000	2,000	2,000	2,000	10,000
2.1.5	Support Staff	3,200	4,800	4,800	4,800	4,800	22,400
2.2	Travel and accommodation						
2.2.4	PI (National), Consultants & Support staff	750	1,250	1,250	1,250	500	5,000
3	Research operational costs						
3.1	Equipment						
3.1.1	Office equipment	650	1,300	650			2,600
3.2	Communication costs and consumables						
3.2.2	Office supplies	260	260	260	260	260	1,300
3.2.4	Field research supplies	2,456	9,211	9,211	9,211	614	30,704
3.2.5	Other services (workshops & PhD fellowships)	3,059	1,912	3,059	1,912	3,059	13,000
	Total requested from the CPWF	12,375	20,733	21,230	19,433	11,233	85,004
	Grand Total	12,375	20,733	21,230	19,433	11,233	85,004

Annex 5 – Schedule of Payments

Schedule of Payment - from CPWF to The WorldFish Center

Payment Number	Amount (US\$)	Estimate Date of Payment	Payment Subject to
PHASE ONE PAYMENT			
1	61,077	April 2005	Paid on return of the signed Letter of Agreement. These funds are to cover the Phase one activities of the project - specifically implementation meetings.
PHASE TWO PAYMENTS			
1	91,616	June 2005	Paid on acceptance of the documentation required in Clause 6.03 of the Project Agreement to commence phase two operations.
2	152,692	September 2005	Paid on acceptance of the first six month progress report (see Clause 8 of the Project Agreement for the recommendations and actions taken regarding progress reports which activate this and all other payments)
3	178,630	March 2006	Paid on acceptance of the first year annual report.
4	178,630	September 2006	Paid on acceptance of the second year six month report
5	186,347	March 2007	Paid on acceptance of the second year annual report (Note that a third year milestones and workplan must be submitted at this point - refer to Clause 6.04 of the Project Agreement)
6	186,347	September 2007	Paid on acceptance of the third year six month progress report.
7	181,052	March 2008	Paid on acceptance of the third year annual report. (Note that a fourth and fifth year milestones and workplan must be submitted at this point if the project is to progress to Phase Three - refer to Clause 6.06 of the Project Agreement. An external review may also be undertaken)
PHASE THREE PAYMENTS			
8	181,053	September 2008	Paid on acceptance of the fourth year six month progress report.
9	150,233	March 2009	Paid on acceptance of the fourth year annual report.
10	120,187	September 2009	Paid on acceptance of the fifth year six month progress report.
11	30,046	March 2010	Paid on acceptance of the Project Completion Report and an external audit report (See Clause 4.11 of the Project Agreement)

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to CGIAR CenterS (IFPRI and WARDA)

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	17,978	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	17,978	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	18,569	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	18,569	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	18,050	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	18,050	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	18,243	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	18,243	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	14,661	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	11,729	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	2,932	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to IFPRI

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	13,408	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	13,408	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	13,807	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	13,807	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	13,658	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	13,658	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	13,757	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	13,757	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	11,398	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	9,118	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	2,280	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to WARDA

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	4,571	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	4,571	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	4,762	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	4,762	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	4,392	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	4,392	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	4,486	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	4,486	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	3,263	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	2,610	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	653	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to the Six Country Partners

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	43,251	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	43,251	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	75,841	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	75,841	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	76,637	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	76,637	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	71,003	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	71,003	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	37,322	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	29,857	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	7,464	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to the Bangladesh Agricultural Research Council (BARC)

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Dates of Reports
Phase Two Payments				
1	8,457	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	8,457	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	15,175	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	15,175	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	14,537	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	14,537	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	14,087	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	14,087	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	6,593	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	5,274	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	1,319	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to the Indian Council of Agricultural Research

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	8,057	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	8,057	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	14,843	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	14,843	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	15,187	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	15,187	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	13,943	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	13,943	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	6,819	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	5,455	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	1,364	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to the Research Institute for Aquaculture 2 (Vietnam)

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	8,175	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	8,175	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	14,723	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	14,723	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	15,067	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	15,067	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	13,823	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	13,823	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	7,061	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	5,649	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	1,412	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to the Department of Fisheries (Cambodia)

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	6,188	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	6,188	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	10,366	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	10,366	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	10,615	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	10,615	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	9,716	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	9,716	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	5,616	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	4,493	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	1,123	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to Inland Valley Consortoum - Mali Unit

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	6,188	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	6,188	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	10,366	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	10,366	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	10,615	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	10,615	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	9,716	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	9,716	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	5,616	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	4,493	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	1,123	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Annex 5 – Schedule of Payments

Schedule of Payment - from The WorldFish Center to the Freshwater Fisheries Research Center (China)

Payment Number	Amount (US\$)	Schedule of Payment	Subject to Receipt and Acceptance of Following Reports	Due Date of Report or Document
Phase Two Payments				
1	6,188	July 2005	Signed Memorandum of Agreement (MOA)	July 15, 2005
2	6,188	October 2005	1st Year: Three-month Progress Report.	September 1, 2005
3	10,366	April 2006	1st Year: Six-Month Milestone Report 1st Year: End-of-Year Annual Report.	December 1, 2005 March 1, 2006
4	10,366	October 2006	2nd Year: Three-Month Milestone Report 2nd Year: Six-Month Progress Report	June 1, 2006 September 1, 2006
5	10,615	April 2007	2nd Year: Nine-Month Milestone Report 2nd Year: End-of-Year Annual Report. Finalized 3rd Year Milestone and Work Plans	December 1, 2006 March 1, 2007 March 1, 2007
6	10,615	October 2007	3rd Year: Three-Month Milestone Report 3rd Year: Six-Month Progress Report	June 1, 2007 September 1, 2007
7	9,716	April 2008	3rd Year: Nine-Month Milestone Report 3rd Year: End-of-Year Annual Report. Finalized 4th and 5th Year Milestone and Work Plans	December 1, 2007 March 1, 2008 March 1, 2008
Phase Three Payments				
8	9,716	October 2008	4th Year: Three-Month Milestone Report 4th Year: Six-Month Progress Report	June 1, 2008 September 1, 2008
9	5,616	April 2009	4th Year: Nine-Month Milestone Report 4th Year: End-of-Year Annual Report.	December 1, 2008 March 1, 2009
10	4,493	October 2009	5th Year: Three-Month Milestone Report 5th Year: Six-Month Progress Report	June 1, 2009 September 1, 2009
11	1,123	April 2010	5th Year: Nine-Month Milestone Report 5th Year: End-of-Project Completion Report.	December 1, 2009 March 1, 2010

Table of Third Party IP to be Used in the Project

Description of Third Party IP	Source of Third Party IP	Owner of Third Party IP	IP Rights Owned by Third Party	Status of Third Party IP Rights
1. Tangible Property – “Things”				
Not applicable*				
2. Methods of “Doing Something”				
Not applicable*				
3. Written Text and Computer Code				
Not applicable*				

*Please note that during the Project Inception Workshop held on 7-10 June 2005 at the WorldFish Center, the participants (principal investigators and national partners) have determined and signified that no *private property*, tangible or not, would be used in the project that would infringe on intellectual property rights of owners. They further signify that any output of the project would be global public good.