

**CP Project No. 60**  
**BASIN FOCAL PROJECT , INDO-GANGETIC BASIN (IGB)**  
**6-Monthly Progress Report**  
*(Submitted on 28 July, 2008)*

**OVERALL PLAN**

There is no major departure or change from the proposal. Progress of the project phase 1 is going well along the timeframe and within the specific objectives of project proposal. This project has the support and commitment of all the team members. During the past six months, most of project members are collecting secondary data, reviewing literature and preparing the synthesis reports for their concerned work package. Considering the present status of project, it is expected from all team members to have the publications (report/journal papers/articles) from their work package to overview the present situation of IGB and come up with action plan for phase 2 of the project.

The change in staff with departure of Peter McCornick, Mobin-ud-Din Ahmad and Aamir Nazeer from IWMI required some adjustments. This was achieved through joining of Cai Xueliang, an MoU with IIT, Kharagpur, joining of one project associate at New Delhi and reallocation of responsibilities. Prof. Alauddin Ahmad from University of Queensland, Australia also worked for six months in the Project (WP-3) during his sabbatical leave. There is an active partnership with BFP-Nile for development of work plan and the methodologies.

**PROGRESS AND PROBLEMS**

Impact pathways analysis were completed for all the basin countries and stakeholder organizations and presentations were made at the Cali workshop. A review meeting was also organized with BFP-Cordinator, Simon Cook, Maya and David Molden of IWMI and the project partners. A Situation Analysis report for the IGB was completed and posted on the wiki and Bluedocs.

<b>What is working</b>	<b>What needs more attention</b>
<p><b>1. Water poverty</b></p> <p>Literature synthesis on water poverty in the IG basin</p> <p>Selection of methodology for poverty mapping</p>	<p>Data collection from Pakistan (Indus basin) and Nepal needs more attention. Data from India and Bangladesh is in good shape and adequate.</p>
<p><b>2. Water availability</b></p> <p>In the process of collecting field and secondary data from both the Indus and Ganges for water accounting</p>	<p>Sufficient work on water availability and its management options is already available through earlier studies in Indus part of Pakistan and specifically Ruhana basin. So major attention shall be uncovered parts of the basin. Non –availability of the data for the whole of the Indian part of Indus shall be a problem but alternative techniques are being put in place.</p>

<p><b>3. Water productivity</b></p> <p>Synthesizing available data for RS/GIS processing to use in water productivity mapping.</p> <p>Collecting detailed information for Bangladesh WP mapping in collaboration with water availability package.</p> <p>In process of reviewing and processing of data for Nepal part.</p>	<p>Better use of the RS/ GIS techniques shall be made for development of the water productivity mapping at the regional scale. Methodologies already developed for selected basins in China shall be further validated and refined for the IG basin.</p> <p>Traditional methods using district level datasets shall also be employed where such datasets are available and the two approaches shall be compared for future work.</p>
<p><b>4. Institutional analysis</b></p> <p>In the process of preparing a report/paper entitled 'Understanding institutional and legal framework of the water sector in the IGB' based on database of 80 plus legal documents.</p> <p>Developing a framework for analyzing water laws and other water related legal documents</p> <p>Materials for institutional study are being collected.</p>	<p>Both macro-level basin-wide and thematic studies are in progress and the project hopes to achieve good outputs.</p>
<p><b>5. Intervention analysis</b></p> <p>Collection of secondary information (reports/papers/articles/legal internet source /communication with institutions and stakeholder) to cover existing interventions under spatial variability of IGB</p> <p>Synthesis report on existing interventions has been started.</p>	<p>The Project still aims to develop a more sound analytic framework (improve upon the one it has already developed) and look forward to BFP meeting in Ethiopia for further inputs.</p> <p>An MoU with WorldFish has been developed for integrating crop-aquaculture water productivity and conducting independent studies on the role of fisheries.</p>
<p><b>6. Knowledge base development</b></p> <p>Web interface developed for Data uploading and sharing among project members. Web portal template development continues.</p>	<p>This package is in a very good shape and all the datasets are being cleaned, collated and hosted on the IDIS. A separate web portal for the BFP_IGB is also being developed. Besides, the Project is making good use of the PBWiki and bluedocs platforms offered by the BFP.</p>

## **IMPLICATIONS FOR REMAINING WORK**

As per Gantt chart, all work packages are following time frame and expect the same for next six month. Work on Water Productivity and Intervention Analysis packages may require little more boosting specially in refining the analysis framework. MoU with WorldFish is yet to start delivering its effectiveness.

## **OUTPUTS:**

List of existing and identified future outputs (for next six months) are summarized under respective work packages.

- Situation analysis for BFP-IGB completed and hosted on the Wiki.
- Impact Pathways Analysis for the Project as a whole and for different basin countries has been completed.
- Three full papers are submitted for Second IFWF, Addis.
- Analysis on water productivity levels and trends for Bangladesh has been completed (district level analysis) and will submit to peer reviewed journal for publication.
- T Shah, Ul Hassan, M Z Khattak, P S Banerjee, O P Singh and S U Rehman: “Is irrigation water free? A Reality Check in the Indo-Gangetic Basin” (*World Development*)- Institutional analysis package.
- Web interface developed for Data uploading and sharing among project members

## **FINANCIAL STATEMENT**

*Appendix – 1*                      Status of Expenditure

## **MONTHLY PROGRESS REPORTS**

*Appendix – 2*                      February 2008  
*Appendix – 3*                      March 2008  
*Appendix – 4*                      April 2008  
*Appendix – 5*                      May 2008  
*Appendix – 6*                      June 2008

*Appendix - 1*  
**BASIN FOCAL PROJECT - IGB**

**STATUS OF EXPENDITURE**

<b>EXPENDITURE</b>		US\$
<b>Total project budget</b>		799,949.50
<b>Funds received to date</b>		200,000.00
<b>Total expenditure to date</b>		111,968.18
<b>Funds committed</b>		93,159.19
<b>Balance remaining</b>		594,822.13
<b>Matching Funds Cash/in kind</b>	(state what funds or in kind support you have received, is this as agreed, have there been deviations, if so is there any risk to the project)	
<b>Comment on expenditure compared with project progress - is it on track?</b>	(state any deviations, action taken, any risk to the project)	
<b>Comment on time spent compared with project progress - is it on track?</b>	(state any deviations, action taken, any risk to the project)	

*Appendix - 2*  
**BASIN FOCAL PROJECT - IGB**

<b>Month: February, 2008</b>	<b>Basin: IGB</b>
<b>Report</b>	<b>Action</b>
(What happened)	(What next?)

<p><b>Overall</b> Inception workshop in Dhaka, 26/02/08 Four sub-basins agreed.</p> <p><b>Indus:</b> <i>Rechna Doab (Pakistan)</i></p> <p><b>Ganges:</b> <i>Upper Ganges (India), Kosi (Nepal/ India) Gorai-Madhumati (Bangladesh)</i></p> <p>Met with various Bangladeshi stakeholders. Participated in BFP meeting in Cali.</p>	<p>Finalize inception report, including gantt chart and impact pathway networks.</p> <p>Finalize workplans for workpackages. Initiate literature reviews and phase 1 (basin overviews) research.</p>
<p><b>1 Water poverty</b> WP leader participated in Cali BFP workshop, and in Dhaka inception workshop.</p>	<p>Literature synthesis on water-land-poverty linkages in IGB basin countries and secondary data collection for sub-national poverty estimation.</p>
<p><b>2 Water availability</b> WP leader contacted local institutions for gathering data and secondary information in the upper Ganga, India. A regional research institute, ICIMOD which is undertaking various activities in the Koshi sub-basin, Nepal has been contacted for collaboration. WP leader has contacted Mac Kirby to assess the application of the basin water accounts methodology developed for the Challenge program. Mobin (Water Productivity WP leader) presented this work package in IG BFP inception workshop. Overall approach was presented with some examples from IWMI'.</p>	<p>The local partners will be invited for collaboration in the analysis of the upper-Ganga and Koshi sub-basins.</p> <p>Mac Kirby has shown interest in collaboration to improve his water accounts for the Indus and Ganges.</p>
<p><b>3 Water productivity</b> WP leader participated in Dhaka inception workshop. The approach for both, macro and sub-basin, water productivity analysis was presented. And examples and experiences from Karkheh BFP were shared. It was also agreed in this workshop that World Fish will develop methodological framework to include fisheries in water productivity analysis.</p>	<p>During this month, water productivity team will review the existing studies (especially from Pakistan) and strategy will be finalized to fill the knowledge gaps.</p> <p>Secondary (district) data collection on agricultural production, yield and prices will be started in I-G Basin. This activity will be done in collaboration with Work Package 1.</p>

<b>4 Institutional analysis</b>	
<p><b>5 Intervention analysis</b>  WP leader participated in Dhaka inception workshop.</p> <p>Started gathering material on important interventions in India and Bangladesh.</p>	Initiate literature review and stakeholder consultations.
<p><b>6 Knowledge base development</b>  WP leader participated in Dhaka inception workshop.  Collected data needs assessment from different WP leaders.</p>	Finalize of data needs assessment different WPs, Finalize Basin and sub basin boundaries, Identify data sources and plan for data acquisition through country partners.
<p><b>Workshops / Conference</b>  BFP meeting in Cali.  Inception workshop in Dhaka.</p>	None scheduled.
<p><b>Impact Assessment</b>  Participated in Cali workshop, and drafted IP networks for India and Pakistan.  Obtained input and feedback from partners/stakeholders in inception workshop in Dhaka.</p>	Finalize IP networks for India, Pakistan and Nepal.
<p><b>Other</b>  Visited some important institutions like CEGIS and Water Modelling Institute at Dhaka and developed rapport with other institutes for developing future collaborations.</p>	

*Appendix - 3*  
**Basin Focal Project – IGB**

<b>Month: March, 2008</b>	<b>Basin: IGB</b>
<b>Report</b>	<b>Action</b>
(What happened)	(What next?)

<p><b>Overall</b></p> <p>Finalized items for inception phase, including Gantt chart IP networks. Inception report 90% complete  Drafted abstracts for CPWF forum in Addis including one on the agricultural/water development of the Indus, one on water poverty (young researcher), and one on the water productivity in the Indus.  Initiated projected leader transition.</p>	<p>Submit inception report, including gantt chart and impact pathway networks.  Literature reviews and phase 1 (basin overviews) research continues.  Meet with BFP coordinator in Colombo May 2, 2008.  Complete hand over of PL role.</p>
<p><b>1 Water poverty</b></p> <p>Literature synthesis on water-land-poverty linkages in IGB basin countries and secondary data collection for sub-national poverty estimation.</p>	<p>Literature review and secondary data availability assessment are in progress.</p>
<p><b>2 Water availability</b></p> <p>Still corresponding with ICIMOD for Koshi work.  Have received the water budgets for the Indus and Ganga from Mac Kirby of CSIRO  Have been finalizing the contract with WWF. The WWF project is in the upper Ganga will compliment the IGB project.</p>	<p>Will finalize the work with the local partners in May. If ICIMOD cannot reduce their rates then am planning to visit the hydrological and meteorological department of the Government.  The work in the Upper Ganga will start in June</p>
<p><b>3 Water productivity</b></p> <p>For basin scale water productivity analysis, secondary (district) data collection on agricultural production, yield and prices has started in I-G Basin. This data collection is being done in collaboration with Work Package 1.</p> <p>For detailed sub-basin scale analysis, it was decided to start analysis from Rechna Doab Pakistan (considering the previous experience and suitability for remote sensing analysis). After review of previous work and IWMI's current research activities and key joint activities were identified. In March the team has acquired series of cloud free MODIS images and</p>	<p>Finalization of ETa analysis for Punjab Pakistan (particularly focusing on Rechna Doab).</p> <p>Collection of secondary agricultural statistics and estimation of canal command level GVP for water productivity mapping</p> <p>Finalization of MOU with World Fish for Productivity analysis</p> <p>Discussion with the project leader and other team members to conduct similar analysis in other sub-basin. Team will also check the availability of cloud free</p>

<p>series of cloud free MODIS images and ETa is being computed for year 2004-05 and 2006-07. Initial ETa results (from 2004-05) are attached with this monthly report.</p> <p>Based on work in Punjab Pakistan, an Abstract has been submitted for an oral presentation at the 2<sup>nd</sup> CPWF international forum at Addis.</p>	<p>images from MODIS sites, if the cloud free images are not available across a year for other three sub-basin, then ETa estimates from Work package 2 will be used</p>
<p><b>4 Institutional analysis</b></p> <p>Collection and collation of water policy documents (including groundwater and surface water) in selected regions of the IGB, viz. Punjab, Pakistan, Haryana, Uttar Pradesh, Bihar and West Bengal in India and Bangladesh.</p>	<p>Review these policies and demarcate a state as ‘water resources friendly’ or ‘farming interest friendly’ based on methodology developed by Belsey and Burgess (2004) with respect to labour regulations in India. After the states have been categorized, compare the policy-institutional environment in the state with its current water use pattern.</p>
<p><b>5 Intervention analysis</b></p> <p>Initiated literature review and stakeholder consultations.</p>	<p>Discussions to be initiated with IIT, Kharagpur, India for providing help in conducting technical component of Intervention Analysis. Refining the overall framework for WP5.</p>
<p><b>6 Knowledge base development</b></p> <p>Good amount of data collected from Bangladesh. Data collected on district level time series crop production and input data from India. Coordinated with other WP leaders for data collection secondary sources. Finalized basin boundary with input from WP leaders.</p>	<p>Prepare spatial data layers in basin kit with new basin boundary</p> <p>Upload processed Indian and Bangladesh data in web for sharing among WPs</p> <p>Process any other data collected by WP leaders during April.</p>
<p><b>Workshops / Conference</b></p> <p>None.</p>	<p>None.</p>
<p><b>Impact Assessment</b></p> <p>Finalized IP networks for India, Pakistan, and Nepal.</p>	<p>Finalize IP network for Bangladesh.</p>
<p><b>Other</b></p>	

*Appendix - 4*  
**Basin Focal Project – IGB**

<b>Month: April, 2008</b>	<b>Basin: IGB</b>
<b>Report</b>	<b>Action</b>
(What happened)	(What next?)

<p><b>Overall</b>  Inception report is all but completed. Final details on ToR with WF being finalized.  Literature reviews and phase 1 (basin overviews) research continues.  Three project abstracts accepted for CPWF second forum in Addis.</p>	<p>Meet with BFP coordinator in Colombo May 2, 2008.  Finalize PL hand over on May 2, 2008.</p>
<p><b>1 Water poverty</b>  Literature review and secondary data availability assessments progressed.  Completed the review of literature in Nepal, collected many publications with secondary data. Organization of data for the analysis is in progress.  Review of literature in other countries is in progress</p>	<p>Literature review and data collection/organization will continue.</p>
<p><b>2 Water availability</b>  Continued with phase 1 activities.</p>	<p>Will finalize the work with the local partners in May. If ICIMOD cannot reduce their rates then am planning to visit the hydrological and meteorological department of the Government.  The work in the Upper Ganga will start in Jun</p>
<p><b>3 Water productivity</b></p> <p>After finalizing ETa and GVP analysis for Punjab-Pakistan, now the team is preparing canal command level water productivity maps. Irrigation performance diagnosis is also progressing well using remote sensing based ETa and land use information together with routine secondary data on canal flows, climate and secondary agricultural statistics.</p> <p>The team has also extended the earlier work conducted under Scaling-up water productivity project in Pakistan and already submitted a chapter for GIAM book (will be published by Taylors and Francis) and conference paper for 2<sup>nd</sup> CPWF international forum. We are pleased to inform to CPWF BFP central that both papers have been accepted for publication.</p>	<p>Identify new workpackage leader as Mobin-ud-Din Ahmad is leaving IWMI. Most likely it will be Upali or Charlotte.</p>

<p><b>4 Institutional analysis</b></p> <p>Review these policies and demarcate a state as ‘water resources friendly’ or ‘farming interest friendly’ based on methodology developed by Belsey and Burgess (2004) with respect to labour regulations in India. After the states have been categorized, compare the policy-institutional environment in the state with its current water use pattern.</p>	<p>Continue with literature review.</p>
<p><b>5 Intervention analysis</b></p> <p>Discussions initiated with IIT, Kharagpur, India for providing help in conducting technical component of Intervention Analysis. Refined the overall framework for WP5.</p>	<p>Inventorisation of important interventions in the different parts of the basin along with explanatory information to be initiated.</p> <p>Mapping of the major success stories for the bright spots of agricultural productivity to be taken up.</p>
<p><b>6 Knowledge base development</b></p> <p>Basin boundary finalized and Basin kit data layers prepared to match the new boundary  Uploaded processed Indian data in web</p>	<p>Upload Bangladesh data to web  Process any other data collected by WP leaders during April  Prepare web portal template</p>
<p><b>Workshops / Conference</b>  None.</p>	<p>None.</p>
<p><b>Impact Assessment</b>  Finalized IP network for Bangladesh.</p>	<p>No planned activities.</p>
<p><b>Other</b></p>	

*Appendix - 5*  
**BASIN FOCAL PROJECT – IGB**

<b>Month: May 2008</b>	<b>Basin: IGB</b>
<b>Report</b>	<b>Action (June 2008)</b>
(What happened)	(What next?)

<p><b>Overall</b>  Inception report is all but completed. Final details on ToR with WF have been sent for agreement.  Literature reviews and phase 1 (basin overviews) research continues.  Situation analysis for BFP-IGB completed and hosted on the Wiki.  Three full papers for 2 IFWF, Addis in preparation.  BFP-Review Meeting held with BFP coordinator and senior IWMI management.</p>	<p>Dr. Peter McCornick has now handed over the charge of the Project leader to Bharat Sharma at IWMI, New Delhi.</p>
<p><b>1. Water poverty</b>  Literature review of Nepal completed and secondary data collected. Organization of data for the analysis is in progress.  Review of literature and data collection of other countries are in progress.</p>	<p>Literature review and secondary data collection of Pakistan India and Bangladesh will be completed.</p>
<p><b>2. Water availability</b>  Water accounting methodologies from Kirby et. al (2008) is being reviewed  Work in the Bangladeshi sub-basin has been initiated.  Ref:: Mac Kirby, Mohammed Mainuddin and Judy Eastham, 2008. Challenge Program basin water use accounts: 2. Model concepts and description. Report for the Challenge Program on Water and Food.</p>	<p>Data collection from both the Indus and Ganges needs to be done to refine the water accounting calculations done by Kirby et. al (2008)</p>
<p><b>3. Water productivity</b>  WP leader Mobin has now proceeded to Australia.  The work already completed for Rechna-Doab/ Pakistan has been finalized and put in the form of a Conference/ Journal paper.  Analysis on Water productivity levels and trends for Bangladesh has been completed (based on district level analysis) and is now under synthesis.</p>	<p>New arrangements are being worked out by having discussions with RS-GIS group of IWMI GRD.</p>
<p><b>4. Institutional analysis</b>  A database containing 80 plus water sector related legal documents has been developed, some 10-15 more legal documents are expected</p>	<p>Over the course of next 5-6 months, all the legal documents would be carefully scanned and coded and</p>

<p>to be added to this collection.</p> <p>A concept note has been written detailing the plans for analyzing the legal documents and contract issued to a consultant to develop a framework of analysis based on institutional and development analysis.</p>	<p>thereafter analyzed within the institutional analysis and development framework. A final output is envisaged to be a report/paper entitled ‘Understanding institutional and legal framework of the water sector in the IGB’.</p> <p>Building on the work started in India under the groundwater governance project on energy squeeze on irrigation in IGB, 20 village studies from India and Pakistan are being analyzed. More village-level data from Bangladesh and Nepal are planned to be collected and incorporated in the analysis.</p>
<p><b>5. Intervention analysis</b> Discussions completed with IIT, Kharagpur, India for providing support in conducting technical component of Intervention Analysis.</p> <p>Completed Situation analysis of BFP-IGB and submitted to BFP coordinator/ hosted on PB Wiki</p>	<p>Inventory of major potential Interventions to be initiated.</p>
<p><b>6. Knowledge base development</b> Upload Bangladesh data to web Processed climate data for district wise analysis for Bangladesh and India Initiated development of web portal template Discussed with Nile BFP for exchanging the idea for knowledge sharing</p>	<p>Web interface being developed for Data uploading and sharing among project members Process data from WP leaders Continue development of web portal</p>
<p><b>Workshops / Conference/ Meeting</b> Participated in BFP Review Meeting with the BFP Coordinator and Senior IWMI Management</p>	<p>Not planned in June 2008</p>
<p><b>Impact Assessment</b> Finalized IP network for Bangladesh.</p>	
<p><b>Other : Finalised contracts for research support staff for communications, climate change impacts and support to Wp-1 and WP-5</b></p>	

*Appendix - 6*  
**BASIN FOCAL PROJECT – IGB**

<b>Month: June 2008</b>	<b>Basin: IGB</b>
<b>Report</b>	<b>Action (July 2008)</b>
(What happened)	(What next?)

<p><b>Overall</b></p> <p>Inception report is all but completed. Final MoU has been sent for signing by the WorldFish.</p> <p>Literature reviews and phase 1 (basin overviews) research continues.</p> <p>Situation analysis for BFP-IGB completed and hosted on the Wiki.</p> <p>Three full papers for 2 IFWF, Addis submitted</p> <p>BFP-Review Meeting held with BFP coordinator and senior IWMI management. Dr. Peter McCormick has now handed over the charge of the Project leader to Bharat Sharma at IWMI, New Delhi</p>	<p>Preparation of First Six monthly report.</p> <p>Submission of Agriculture Productivity Assessment papers for Bangladesh to the Journals.</p>
<p><b>1 Water poverty</b></p> <p>Literature review and secondary data availability assessments progressed.</p> <p>Completed the review of literature in Nepal, collected many publications with secondary data. Organization of data for the analysis is in progress.</p> <p>Review of literature in other countries is in progress</p>	<p>Literature synthesis is in progress. In the process of selecting a methodology for poverty mapping.</p>
<p><b>2 Water availability</b></p> <p>Worked on setting up the SWAT model for modeling the Gorai River catchment in Bangladesh.</p> <p>Delineated the basin boundary using a digital elevation map</p> <p>Decided on two time periods (1960-1970) and (1990-2000) as the modeling time frame</p>	<p>Planning to go on a basin visit to Bangladesh</p> <p>Planning to collect the rest of the necessary dataset required for the modeling work on the Gorai cathment (Bangladesh)</p>
<p><b>3 Water productivity</b></p> <p>Developed the methodology of mapping water productivity at coarse scale for whole basin. Parameters for remote sensing analysis collected and used in previous studies in the basin area were extracted from literature review. Existing data gap identified.</p>	<p>Download of time series MODIS vegetation index and thermal data. Synthesize available data for RS/GIS processing. Collecting detailed information for Bangladesh WP mapping in collaboration with water availability package (WP-2).</p>

<p><i>Nepal</i> Crops data entered in the format Consultant asked to review the data availability and its processing. (Consultant's report attached) Materials for institutional study are being collected.</p>	<p><i>Nepal</i> Remaining data will be collected Consultant will proceed to collect data, when approval is received. Institutional materials will be collected.</p>
<p><b>4 Institutional analysis</b></p> <p>Aditi, Sanjiv and Basman worked on developing a framework for analyzing water laws and other water related legal documents. This framework was finalized towards the end of June 2008. Completed the following journal article partially supported by BFP-IGB and forthcoming in <i>World Development</i>: “T.Shah, Ul Hassan, M Z Khattak, P S Banerjee, O P Singh and S U Rehman: “Is irrigation water free? A Reality Check in the Indo-Gangetic Basin”</p>	<p>Some 80 odd water related legal documents pertaining to the IGB has been collected and are been coded independently by Aditi, Sanjiv and Basman. This coding is targeted to be over by mid-August and then three separate data sheets will be compared for to arrive at a common codes through mutual consultation and consensus.</p> <p>Initiating field research on agrarian tenancy and its impact on agricultural water management in the IGB.</p>
<p><b>5 Intervention analysis</b></p> <p>Discussions completed with IIT, Kharagpur, India for providing support in conducting technical component of Intervention Analysis.</p> <p>Inventory of potential Interventions has been started with collection of reports, articles, journal papers, etc.</p> <p>Collection of secondary material relevant to climate change and its impact on water resources of IGB has been started.</p>	<p>More secondary documents will be added to this collection considering the spatial variability of IG Basin</p> <p>Synthesis paper of collected literatures is in progress targeting the existing intervention in IGB.</p> <p>Collection of more reports, discussion with experts, and analysis of climatic data is required to get more clear view of climate change in the basin.</p>
<p><b>6 Knowledge base development</b></p> <p>Web interface developed for Data uploading and sharing among project members</p> <p>Web portal template development continues</p>	<p>Continue development of web portal</p>
<p><b>Workshops / Conference/ Meeting</b></p>	

<b>Impact Assessment</b>	At a high level ICAR-IWMI Meeting chaired by DG, IWMI and DG, ICAR (India) a presentation on the ongoing work under BFP-IGB was presented and the same was well appreciated by the participants.
<b>Other</b>	