



National Consultation on Bangladesh Water Act



Mr. Jalaluddin Md. Abdul Hye, Director General, WARPO Mr. H.S. Mozaddad Faruque, Director General, BWDB and Mr. Quamrul Islam Siddique (late), President BWP are seen in the consultation

Water Resources Planning Organization (WARPO) & Bangladesh Water Partnership (BWP) jointly organized a national consultation on Bangladesh Water Act at the Local Government Engineering Department Auditorium on August 11, 2008. Mr. Jalaluddin Md. Abdul Hye, Director General, WARPO chaired the Programme. Mr. H.S. Mozaddad Faruque, Director General, BWDB and Mr. Quamrul Islam Siddique, President BWP was the Chief Guest and Moderator respectively. Dr. Asif Nazrul, Professor, Department of Law present the key note paper on Draft Bangladesh Water Act. All the discussants gave emphasis on the appropriate legislative framework for the effective implementation of the Water Policy and

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WARPO participated in the Consulting Partners (CP) Meeting from 15-17 August, 2008 and Stockholm Water Symposium (SWS) from 17-23 August, 2008 at Stockholm

Dr. Nilufa Islam, Director (Technical) participated in the Consulting Partners (CP) Meeting of Global Water Partnership(GWP) at Stockholm from 15-17 August, 2008 and Stockholm Water Symposium from 17-23 August, 2008.



Consulting Partners (CP) Meeting in Stockholm 15-17 August, 2008

The annual GWP Consulting Partners meeting in Stockholm 15-17 August brought together 165 delegates from 75 countries. This year's focus was the 2009-2013 Strategic Plan. In plenary sessions and working groups, the Consulting Partners, from more than 80 organisations and all members of the GWP net work, contributed significantly to the development of the strategy.

The World Water Week in Stockholm 17-23 August concluded with 2400 scientists, leaders from governments and civil society declaring that slow progress on sanitation will cause the world to badly fail the **Millennium Development Goals** while weak policy, poor management,

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WARPO participated in the Consulting Partners (CP) Meeting from 15-17 August, 2008 and Stockholm Water Symposium (SWS) from 17-23 August, 2008 at Stockholm (Cont.)

increasing waste and exploding water demands are pushing the planet towards the tipping point of global water crisis. Action is crucial, stakes are high and time is running out were key messages coming from the World Water Week in Stockholm. Sanitation and hygiene, climate, water management, ecosystems and business issues were prominent programme focal points throughout the week. Attention was brought to the "water footprint" of consumers, business, industry and agriculture and what individuals and business can do to measure and reduce their impact on shrinking water resources.

This year theme was **Progress and Prospects on Water: For a Clean and Healthy World.**

The 2009 World Water Week in Stockholm will convene August 16-22 under the overarching theme "Water - Responding to Global Changes: Accessing Water for the Common Good."



Dr. Nilufa Islam, Director, WARPO with Director General, BWDB in Stockholm World Water Week.



Bangladesh Group Visited The Bangladesh Embassy of Sweden

Protocol for data sharing between Computer & Information Section (CIS) of WARPO and Char Development and Settlement Project III (CDSP-III) of BWDB

Water Resources Planning Organization (WARPO) and Bangladesh Water Development Board (BWDB) signed an MoU on 6 August 2007 concerning collaboration in sharing data. As per the MoU, WARPO can share its own data with BWDB and WARPO can access all BWDB data including those of projects. On 19 September 2007, CDSP-III, a project of BWDB, has made a proposal to WARPO for establishing a data connectivity network to have an access to ICRD (Integrated Coastal Resources Database) of WARPO using the server facilities at WARPO premises. In this context, Computer & Information Section (CIS) of WARPO and CDSP-III of BWDB signed a protocol on 8 May 2008 at WARPO conference room. Mr. Hossain Shahid Mozaddad Faruque, Director General, BWDB was present as the Chief Guest and Mr. M. Inamul Haque, the then Director General of WARPO, chaired the occasion.

For establishing this data connectivity network, WARPO will provide the server facilities and the data of ICRD. All other arrangement needed (including all physical & non-physical infrastructures etc.) will be made by CDSP-III. CDSP-III can access only those data layers (or part of data layers) of ICRD which are confined in the CDSP area and for which the data source/owner is WARPO.

According to this protocol, digital copy of all the CDSP-I, II & III databases along with metadatabases, knowledgebases and information, generated from these projects, will be transferred to WARPO at the end of the CDSP-III project.

This protocol for data sharing will remain valid up to the end of CDSP-III project i.e. 1 July 2009.



Mr. Hossain Shahid Mozaddad Faruque, DG, BWDB, and Mr. M. Inamul Haque, Former DG of, WARPO are seen at the protocol signing ceremony

WARPO Professional's Research Program on Irrigation Water Environment

Dr Aminul Haque, Senior Scientific Officer, WARPO got UNESCO Fellowship to conduct a research in Malaysia. The research topic was "Improving Environmental Management of Rice Irrigation Scheme Under Limited Water Supply". The principal objective of the study is to improve an environmental management plan to ensure that environmental concerns are built into the operation and monitoring activities of rice irrigation scheme. However, **this study was carried out** to improve an environmental management plan in order to ensure that environmental concerns are built into the operation and monitoring activities of rice irrigation scheme. A conceptual model of the environmental management plan (EMP) was formulated including water quality, biological diversity and sustainable use of natural resources for the scheme. The research period was 5 months (January May 2008). He has completed the program successfully and submitted a report of his research to UNESCO.

WARPO Professional Participated in UNEP Course on Environmental Management

Mr. Syed Abu Shoaib, Scientific Officer of WARPO, Participated in the UNEP Course on Environmental Management at Dresden University of Technology, Germany from 15 January to 15 July 2008. He was awarded for the best Final Paper of the Six month's Course. The course is a joint programme of UNEP, UNESCO and the German Ministry of Environment, Nature Conservation and Nuclear Safety. The course represents a success story of co-operation among various organizations and institutions to strengthen the capacity of developing countries in environmental management for sustainable development. Twenty Participants from Twenty different countries (from Latin America, Asia, and Africa) were selected by the International Steering Committee to participate on this course.

This 6-month course covers a broad range of topics comprising issues of global sustainable development, environmental governance, environmental security, environmental economics and accounting, environmental awareness and public participation, applied ecology and ecosystem management, conservation of biodiversity, water management, waste management, energy for sustainable development, environmental assessment and environmental management systems, cleaner production and products and eco-efficiency, sustainable mobility, sustainable tourism as well as rural and urban land use planning.



Mr. Syed Abu Shoaib, Scientific officer of WARPO, Presenting his Final Paper, in TU-Dresden, Germany



Mr. Syed Abu Shoaib, Scientific officer of WARPO, Awarded for the best Final Paper, in TU-Dresden, Germany

TAG Workshop on Adaptation Research Activities to Climate Change

Climate Change Cell (CCC) in association with its Technical Advisory Group (TAG) and other stakeholders identified a set of research activities related to climate change and adaptation in Bangladesh. The activities have been prioritized and a number of projects have been commissioned in the field of Crop Agriculture, Crop Insurance, Health, Gender and Disadvantage group.

The selected researches are as follows:

1. Adaptive crop agriculture including innovative farming practices in the coastal zone.
2. Climate change and its impact on transmission dynamics of cholera.
3. Climate change and health impacts in Bangladesh
4. Climate change, gender and vulnerable groups in Bangladesh

To present findings of the researches to the TAG members, review the findings and draw together feedbacks from the TAG members and other stakeholders, a half-day consultation workshop was held on 21 September 2008, at the Jui Conference room of the Department of Environment. Mohammad Alamgir, Senior Scientific Officer and Nahid Sultana, Scientific Officer from WARPO has joined the workshop.



Pictures from TAG Workshop on Adaptation Research Activities to Climate Change held at DoE on 21st September 2008



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National Water Management Plan. Prof. Fazlul Bari, BUET, Prof. M Maniruzzaman Miah, Former Vice Chancellor, Dhaka University, Ambassador Muhammad Zamir, Syeda Rizwana Hasan, Director, BELA, Mr. Emaduddin Ahmad, Executive Director, IWM and Mr. Giasuddin Ahmed Choudhury, Executive Director, CEGIS were the main discussants. Mr. Jalaluddin Md. Abdul Hye expressed his gratitude and expect future contribution in finalizing the Bangladesh Water Act to all.



Dr. Asif Nazrul, Professor, Department of Law Present the key note paper on Draft Bangladesh Water Act.



Participants from different organizations are seen in the consultation

Editorial

Integrated Water Resources Management (IWRM)

A holistic way of water management

Bangladesh through its complex network of river system drains an area of about two million square kilometer of the catchment areas of the Ganges, the Brahmaputra and the Meghna of which only seven to eight percent lies in Bangladesh. This physical characteristic severely limit the degree of control and management of the inflow of water in the monsoon and in the dry season. The excess of water during the monsoon causes widespread flooding with damage to crops. On the other hand scarcity of water in the dry season hampers irrigation and other day to day use of water. The country faces tremendous challenges due to frequent occurrence of water related hazards such as river erosion, cyclone and tidal surges. These complex issues demand that all activities in the water sector in Bangladesh be carried out under an integrated water resources management (IWRM) plan. With this context WARPO is trying to solve this challenges by introducing IWRM in all stakeholders in macro level Planning.

IWRM is a well coordinated and participatory approach of a multi-functional system of water, man, land and related resources, to ensure a sustainable utilization of the water resources and an equitable distribution of its benefits, which optimally contribute to the social and economic development of the society. Therefore, IWRM is a cross-sectoral holistic approach to water management, in response to the growing competing demands for finite freshwater supplies. It is an approach that aims to ensure the coordinated development of water, land and related resources to optimize economic and social welfare without compromising the sustainability of environmental systems.

The NWPO of Bangladesh emphasizes the need of combining water use & land use planning, protection, restoration & preservation of environment and stakeholder involvement in management process. WARPO as an apex planning organization and coordinating body is now playing a central role to implement the IWRM in the country. Development of the National Water Management Plan (NWMP) is a step forward in the implementation of IWRM.

The Mission of WARPO is to achieve sustainable water resources development in Bangladesh by pursuing IWRM. In ODP, it is proposed to establish a Training unit under Research and Human Resources Development section for continuous training program on IWRM for all. WARPO seeks all sort of cooperation from different line agencies to successful implementation of IWRM in Bangladesh.

Contributors list
Dr. Nilufa Islam
Md. Aminul Haque
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Nahid Sultana
Syed Abu Shoab

Farewell to Director General WARPO

Farewell reception of Mr. M. Inamul Haque, Director General, WARPO was held on August 04, 2008 in the conference room of WARPO. He was working for WARPO for more than one year. During that period he tried to strengthen WARPO with his dynamic leadership and innovative spirit. All officials of WARPO praised for his prompt, straightforward and instantaneous decision. He had a great interest to strengthen WARPO as much as it can achieve its mission, visions and goal. He activated the clearing house role and monitoring function of WARPO with all the stake-holders of water sector. Monitoring of the projects of Bangladesh Water Development Board (BWDB) & Local Government Engineering Division (LGED) under the area of National Water Management Plan (NWMP) by WARPO was started during his period. Clearance of water sector projects of BWDB through clearing house of WARPO was initiated under his expert direction.

Mr Inamul Haque is a poet, an author of various historical, religious and philosophical literatures. He is a good organizer and naturalist by passion. He wrote a book on Water Resources Management in Bangladesh during his stay in WARPO.



Jalaluddin Md Abdul Hye PEng, Director General, WARPO presenting WARPO crest to former Director General, WARPO



New Director General Takes Over

Jalaluddin Md Abdul Hye PEng a Master of Engineering (Honours) in the field of Water Resources Development from the University of Roorkee, India and a registered professional civil engineer of the Institution of Engineers Bangladesh took over as the new Director General of Water Resources Planning Organization (WARPO) on July 20, 2008. He was serving as additional Director General (Planning) of Bangladesh Water Development Board (BWDB) just before he joined at WARPO.

He is a Fellow of the Bangladesh Institute of Development Studies; Overseas Fellow of the Economic Development Institute of World Bank; Member of American Society of Civil Engineers and an ex-Member of IAHR.

He has acquired more than 34 years of professional experience in the field of hydraulics, water resources and environmental engineering; he joined Bangladesh Water Development Board (BWDB) as an Assistant Engineer in the year 1975 and has since worked as Executive Engineer, Superintending Engineer, Chief Engineer and Additional Director General (planning) of BWDB and Deputy Executive Director of Institute of Water Modelling.

He has worked in several national projects like Brahmaputra Right Flood Embankment Project, Pabna Irrigation and Rural development Project, North Bangladesh Tubewell Irrigation Project, Teesta Barrage Project, Surface Water Simulation Modelling programme (that developed numerical quasi 2d models for the river-system of entire Bangladesh including quasi 3d models for the major rivers and established Institute of Water Modelling) and National Water Plan Project; conducted several national and international training programmes, seminars and workshops. He has served in several national and international professional committees and bodies as specialist.



New Director of WARPO

Dr. Nilufa Islam took over the charge of Director (Technical), Water Resources Planning Organization (WARPO) on July 24, 2008. She was serving as Principal Scientific Officer, Env., Forest & Fisheries section of WARPO immediately before her joining in the present post. Dr. Islam started her career as a Scientific Officer in River Research Institute of BWDB from 1982 until 1997 as a Principal Scientific Officer. She obtained her B.Sc(Hons) and M.Sc. from Dhaka University. She also got her Post Graduate Diploma from Norway and PhD on Environmental Sciences from Australia. She obtained several training and joined many workshop, seminar and meeting in home and abroad.

During her long career she played active and efficient role for National Water Management Plan (NWMP), Bangladesh NAPA and EGIS projects.

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