

4th Parichalana Parishad Meeting

The 4th Parichalana Parishad Meeting of WARPO was held on 2nd July 2005 in the Conference room of WARPO. Mr. Hafiz Uddin Ahmad, B.B., Hon'ble Minister, Ministry of Water Resources and Chairman of the Parichalana Parishad presided over the meeting.

Reiterating important role of WARPO as a macro planning organization honourable Chairman highlighted the necessity of frequent meeting of the Parichalana Parishad for its development. He mentioned that approval of the National Water Management Plan (NWMP) & Coastal Zone Policy (CZPo) are two important milestone of water sector in the recent time.

Director General of WARPO presented in short the present activities including the proposed future activities and the Organizational Development Plan (ODP).

Recalling the extended role of "Clearing house" & facilitating activities through "Program Coordination Unit (PCU)" of WARPO, it was mentioned that WARPO intends to implement these roles on priority basis among others within the framework of proposed ODP.

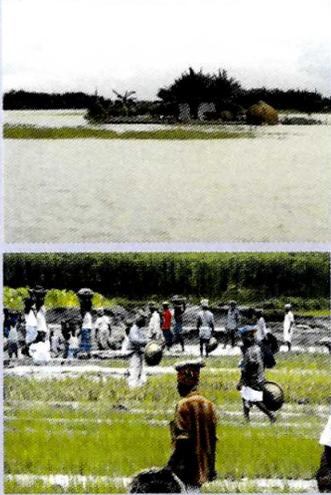


Mr. Hafiz Uddin Ahmad, B.B., Hon'ble Minister, MoWR and other Members of the Parichalana

Members of the Parichalana Parishad

Minister, Ministry of Water Resources	- Chairman
Member (Agriculture), Planning Commission	- Vice Chairman
Secretary, Ministry of Water Resources	- Member
Secretary, Ministry of Agriculture	- Member
Secretary, Local Government Division	- Member
Secretary, Ministry of Communication	- Member
Secretary, Ministry of Planning	- Member
Secretary, Ministry of Forest and Environment	- Member
Secretary, Ministry of Shipping	- Member
Director General, WARPO	- Member Secretary

(more in page 2)



Inside this issue:

- ❖ Second Regional Meeting of National Water Sector Apex Bodies
- ❖ Environmental Monitoring Information Network for Water Resources (EMIN) Project
- ❖ Consultation Meetings on Coastal Development Strategy
- ❖ Stakeholder Consultation for Institutional and Partnership Development in the Coastal Area
- ❖ National Water Resources Database (NWRD)
- ❖ Tree Plantation
- ❖ Planning Conference on Urban Water Management
- ❖ Twinning Mission for supporting Institutional Development of WARPO

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Priority Investment Program for the Coastal Zone



Participants from LGED, PDO-ICZMP, WARPO, BWDB, DoF, BRDB and CEGIS

The Coastal Zone Policy (CZPo) 2005 provides guidelines and the framework for the implementation of Integrated Coastal Zone Management (ICZM) programs. It gives direction for management practices for the coastal zone. The Coastal Development Strategy (CDS) focuses on the implementation of the CZPo. The Priority Investment Program (PIP) is the operational arm of the Coastal Development Strategy (CDS). The preparation of PIP is one of the major outputs of the project. It is based on the inventory of the projects, the development of criteria to select projects and programs for prioritization and possible implementation in the coastal zone.

The main contents of the PIP documents are the concept notes which consist of the concrete proposal of actions. Around 20 concept notes are supposed to be prepared. The plan of actions in each concept note are expressed in terms of activities and work plan, specific objectives and outputs, the funding requirement and the phasing including the lead and partner agencies who will implement the project and program components outlined in the concept note. These Concept Notes will form the heart of the PIP document.

WARPO, CEGIS and consultants of PDO-ICZMP have been facilitating the process of Concept Notes preparation by the involvement of the multiple agencies.

(more in page 2)

The following decisions were taken in the meeting :

- i) Parichalana Parishad approved the minutes of the 3rd Parichalana Parishad Meeting.
- ii) Scope of Clearing House Role will be placed before the Technical Committee for recommendation.
- iii) WARPO will act as clearing house in the implementation of the SW Area Integrated Water Resources Management Project on pilot basic.
- iv) Manpower requirement and organogram to undertake the additional mandated work will be placed to the Ministry of Water Resources.
- v) Proposal for amending clause 6 of the Water Resources Planning Act 1992 (Act No. 12) with the provision of including Director General, BWDB in the Parichalana Parishad as well as coopting members will be submitted to Ministry of Water Resources.
- vi) Ministry of Water Resources will request Ministry of Agriculture for including Director General, WARPO as a member in the Executive Committee of the National Agriculture Committee.
- vii) WARPO will submit proposal to the Ministry of Water Resources for amending clause 11 of the Water Resources Planning Act 1992 (Act No. 12) with a provision of coopting members in the Technical Committee.
- viii) Technical Committee has been constituted consisting with the following members as interim basis until the amendment of Water Resources Act 1992.

Members of the Technical Committee	
1. Member (Agriculture), Planning Commission and Vice Chairman, WARPO Parichalana Parishad	- Chairman
2. ADG (Planning), BWDB	- Member
3. Executive Vice Chairman, BARC	- Member
4. Chief Engineer, DPHE	- Member
5. DG, WARPO	- Secretary

PIP for ...cont'd

Rationale

In the PRSP document, the need for Integrated Coastal Zone Management for coastal development has been recognized. The role of PIPs have been specifically mentioned emphasizing

“Implementation of Priority Investment Programme (PIPs) to be developed under Integrated Coastal Zone Management Plan Project (ICZMPP)”

For the development of the coastal zone, the national processes of poverty reduction, economic growth, industrialization/privatization and decentralization are of an overall strategic importance. The Coastal Development Strategy (CDS) makes strategic elaboration of statements made in the CZPo.

Implementation:

The investment programs will be implemented by single/multi-agencies as per their mandates. These actions are the key business of ICZM aiming to coordinate their preparation and implemen-tation and to “safeguard” participatory approaches.

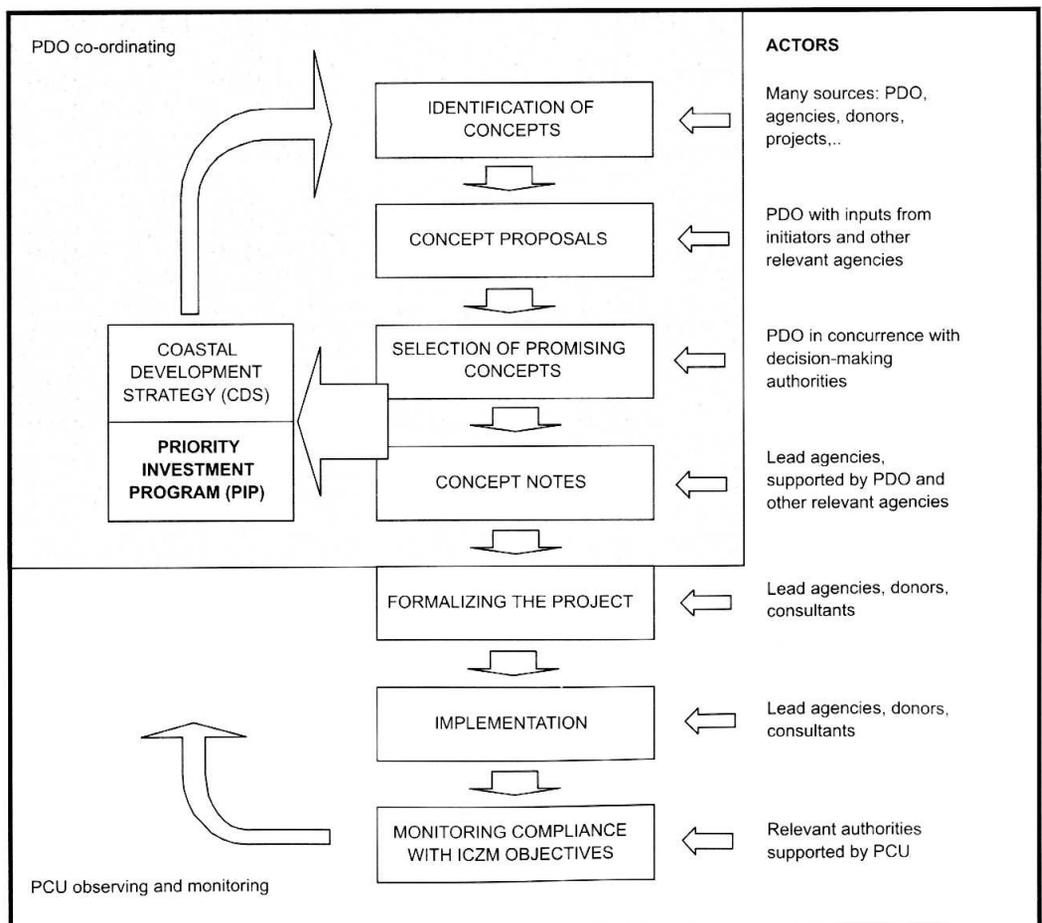


Figure: Steps in the development of Concept Notes

Contents:

The PIP refers to all possible kind of interventions including for example, development of physical infrastructure, natural resource management, knowledge generation, training programs, changes in institutional arrangements for the establishment of operational planning and management procedures etc. But primarily Priority investments include investments both in physical and social infrastructures.

PIP is composed of a series of Concept Notes, identified through a process of development of Concept Proposals from identified concepts.

Concept Notes:

A work-group is established among relevant agencies for each Concept Proposal. During the first meeting, a lead agency is identified and agreed upon. The assigned lead organization is responsible to prepare concept notes jointly with other agencies.



Participants from DoF, DWA, DPHE, WARPO, CEGIS & ICZMP



Participants from DWA, PDO-ICZM, LGED, DPHE, WARPO & CEGIS

Second Regional Meeting of National Water Sector Apex Bodies

Second Regional Meeting of the National Water Sector Apex Bodies was held on 27-29 April, 2005 at the Intercontinental Hotel in Bangkok, Thailand. Mr. Md. Arzel Hossain Khan, PSO, Water Resources attended the meeting representing WARPO. The meeting was organised by the Asian Development Bank (ADB) in association with the Department of Water Resources of the Ministry of Natural Resources and Environment, Thailand. The opening ceremony was addressed by H.E Mr. Yongyut Tiyapairat, Minister of Natural Resources and Environment, Thailand.

Participants from Bangladesh, Lao PDR, Nepal, Philippines, Sri Lanka, Thailand, Vietnam, Cambodia, Indonesia, Malaysia and Pakistan attended the meeting.

The meeting reviewed the progress on the activities that ADB has undertaken in response to the recommendations from the 1st regional meeting in Hanoi last year, and development a methodology and indicators for benchmarking apex bodies performance and arrangement of peer review process and assessment of the experience with civil society involvement in water sector apex bodies through NGO member.

Assessment tools for reviewing performance of apex bodies was agreed in the meeting. The National Water Resources Board, the secretariat of the National Water Sector Apex Body of the Philippine came out to volunteer to be the first apex body for reviewing their performance.

Environmental Monitoring Information Network for Water Resources (EMIN) Project

The implementation of the EMIN project has been started in July 2003 with the technical assistance from the Canadian International Development Agency (CIDA). The project aimed to implement an information network to facilitate the planning and management of Water and Land Resources as it relates to flood, erosion, river morphology monitoring and regional basin resources among national and the potential local stakeholder of the Brahmaputra-Jamuna flood plain region.

Decision support tools, Communication network, Governance and Gender activities of the project module has been successfully implemented. The flood information in the project area have successfully transmitted to the stakeholder during monsoon of this year.

The regional training under the project is expected to be held shortly in AIT Bangkok where professionals of BWDB and WARPO and other organizations are expected to attend.

Consultation Meeting on Coastal Development Strategy

The first draft of the Coastal Development Strategy (CDS) was completed in February 2005. It was presented at district and local level consultations meeting during March-April, 2005. In preparation of the meeting, highlights of the CDS were pre-circulated among the participants. The CDS consultation meetings were organized in 19 coastal district headquarters, 3 selected upazilas (Patharghata, Shyamnagar and Teknaf), 3 selected unions (Char Kajal, Magnama and Rayenda) and 3 remote chars/islands (Kutubdia, Nijhum Dwip and Char Kukri Mukri).

CDS...cont'd

District level consultation meetings were convened and facilitated by the Deputy Commissioner of respective districts, Upazila level meetings were convened and facilitated by UNO of respective Upazilas and Union level meetings were convened and facilitated by the Chairman of respective Union Parishads. The Island and Char level consultation meetings were convened by the UNO and UP Chairman.

A total of 1268 persons, including 229 women, participated in the CDS meetings. District and Upazila level government officials, civil society, media, NGOs, chambers & trade associations, teachers, journalists, lawyers, elected leaders of local government participated in district and upazila level consultation meetings. Union, Char and Island level

consultation meetings were participated by the Chairman and Members of respective Union Parishad, field level staff, government departments, farmers & fishers representatives, NGO representatives, representatives of local level organizations, representatives of water management groups, representatives of business groups and other occupational groups. These meetings received coverage in local and national newspapers as well as by radio and Television Channels. Radio Barisal relayed the full coverage of the Barisal district meeting. ATN and other TV Channels reported some meetings. The draft CDS was appreciated and given general endorsement by the participants of the 28 consultation meetings in district and local level. The outcomes of all these consultation meetings would significantly contribute in finalisation of the draft CDS.



Participants are seen in Consultation meeting in different Coastal Districts

Stakeholder Consultation for Institutional and partnership development in Coastal Area

Stakeholder Consultation on Institutional and Partnership Development Issues in 9 Sea-facing coastal districts is one of the supporting activities under the "Enabling Institutional Environment" of ICZMP project. It aims to create conditions that support local communities in improving their livelihood conditions. The ultimate objective of undertaking the participatory research study is to contribute to laying out a set of development strategies and programs by way of feeding required information into the ICZMP process. In view of fulfilling the above objectives, WARPO outsourced Bangladesh Institute of Development Studies (BIDS) for carrying out the consultation programmes in 9 coastal districts. eg. Cox's Bazar, Patuakhali, Satkhira, Noakhali, Barguna, Khulna, Bhola, Bagerhat, Chittagong. The Contract agreement was signed in between WARPO-BIDS on 8 January 2005. The consultation works were carried out in five levels (Union, Upazila, Districts, Regional and National Level) taking key stakeholders: elected local govt. representatives (UP), Govt. officials & Line agencies, civil society groups (NGO, CBOs), Local functional groups, Representatives of Women Associations/Groups, Private Sector representatives etc. Total no of Consultation Meetings were held 40 attended by 2769 participants of which 72% male and 28% female.



Signing of contract agreement between WARPO and BIDS for Stakeholder consultation

The Consultation Meetings were started on 10 March 2005 and ended by a national workshop on 10 August 2005 at IDB Bhaban, Dhaka. The National Workshop was inaugurated by Mr. Hafiz Uddin Ahmad, BB, Hon'ble Minister, Ministry of Water Resources. The workshop was chaired by Mr. H.S.M Faruque, Director General, WARPO. Summary findings of 39 consultation meetings (at Union, Upazila, Districts and Divisional HQ.) were presented to the participants of national workshop for their valuable opinions and recommendations on issues as follows:

People's Participation in Development activities:

- ▶ Coordination among Institutions
- ▶ Proposed programs/projects under partnership basis
- ▶ Relationship between institutions: ways to strengthen it
- ▶ Transparency and accountability of institutions
- ▶ Capacity building of local government institutions
- ▶ Recommendations towards efficient and supportive bureaucracy
- ▶ Disaster Management
- ▶ Sustainable use of natural resources
- ▶ Sea-level rise: perceived damages and preparations for coping
- ▶ Upazila/District Development Coordination Committees: Problems and prospects
- ▶ Participants opinions about effective role of coordination committees
- ▶ Problems in the absence of elected Zilla Parishad

Stakeholder...cont'd

Expected Output

Mainly two outputs are expected to follow from the consultation process. These are:

A document based on the proceedings of the consultations. This will not be a mere situation analysis, but will mainly focus on institutional issues, particularly related to Participation, Partnership, Coordination, Linkage, gender empowerment etc. The document will also identify areas for Priority actions.

A preliminary design of models of a local level framework for partnership and recommendations on how to proceed towards the implementation of these models will be formulated.

BIDS has already submitted Inception Report (2 February, 2005), Methodology Report (19 February, 2005), Interim Report (April, 2005) and final Progress Report (22 August, 2005). Preliminary findings of 40 consultation workshops have also been incorporated in Draft Coastal Development Strategy (CDS) awaiting for finalization by September 2005. Final Report will be submitted by the 1st. week of November, 2005.

National Water Resources Database (NWRD)

To meet the demand for data and information of the planners, experts, researchers and managers related to water and relevant sector, Water Resources Planning Organization (WARPO) has developed NWRD. As a part of the mandated functions, WARPO maintain, update and disseminate the NWRD. The data contained in NWRD has been collected from a wide range of sources and organized into a relational database format. The NWRD has become the largest geo-spatial database in the country. NWRD is a systematic database, and is established as a national level data provider.

NWRD Data Sets:

More than 400 data layers are available in NWRD, which have been categorized into three level hierarchies, i.e. data group, data type and data layer. Most of the data layers in NWRD are spatial data, time series data and attribute data.

The data groups are:

Base Data: Covers administrative boundaries at various levels: national, division, district, thana and union, airway, catchment, navigation, planning unit, power sector, project, railway, region, river, road, waterbodies and topography.

Surface Water: Includes water level, discharge, salinity, sediment, river cross section and relevant MPO data.

Groundwater: Covers water level, water quality, abstraction, aquifer properties, lithology and information from MPO.

Meteorological: Covers rainfall, evaporation, humidity, temperature, wind speed & direction, sunshine-hour data.

Soil and Agriculture: Includes agro-ecological zones, crop suitability, crop statistics, drought maps, fertilizer use, land type, agricultural land use and soil association.

Forest: Includes forest land data.

Fisheries: Covers fish catch data.

Socio-Economic: Encompasses census, char land and economic data.

Environment: Covering data related to indicative parameter, industry, natural disaster and surface water quality.

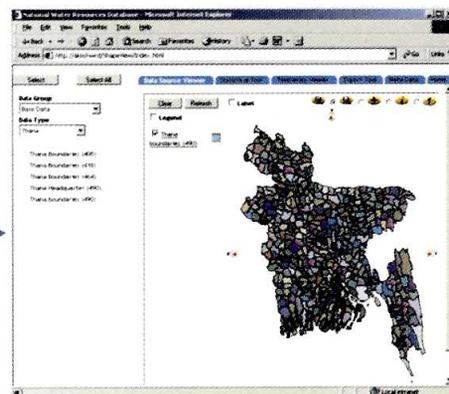
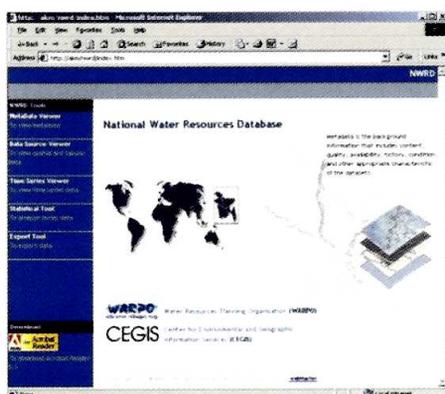
Images: Various satellite images like LANDSAT, IRS and SPOT images covering different regions or the whole country are stored in CD-ROM and usually used for WARPO's internal analysis purpose.

Document and Report: This new data group contains the digital version of 'National Water Management Plan, December 2001'.

A complete data list and brief information of NWRD are available at www.warpo.gov.bd.

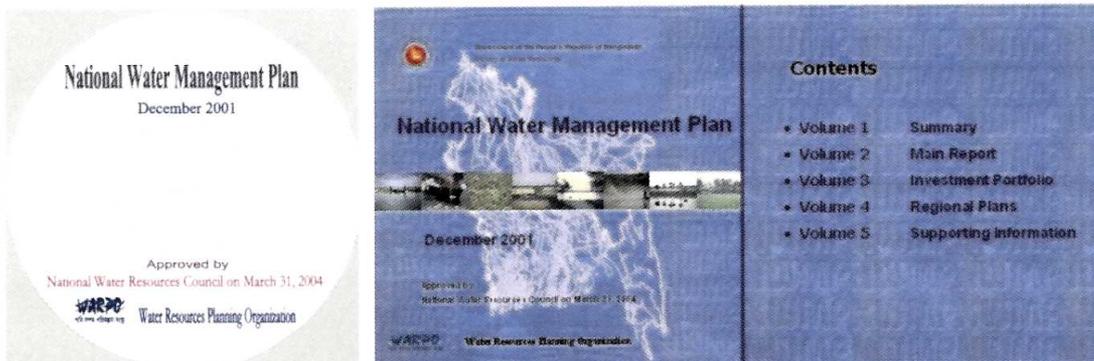
Web Enabled NWRD Tools:

Some user friendly NWRD application tools (e.g. Data Source Viewer, Time Series Viewer, Statistical Analysis Tool, Metadata Viewer etc.) are implemented on a single portal of web based platform to facilitate planners for generating required information easily and quickly.



NWMP digital version is ready for dissemination

Following the approval of National Water Management Plan (NWMP) by the National Water Resources Council on 31 March 2004, the digital version of NWMP has been prepared for dissemination. It is to note that, with the approval of MoWR, the soft copy of NWMP is now considered as a data layer of National Water Resources Database (NWRD).



NWMP consists five volumes. Volume 1 is Summary and Volume 2 is the Main Report. All volumes sare in PDF.

Tree Plantation



Mr. Hafiz Uddin Ahmad, Bir Bikram, Hon'ble Minister for Water Resources, is planting a Krishnachura tree at the tree plantation inaugural ceremony.

A massive tree plantation program has been set in motion in this year to endow Dhaka City with an impressive green appearance for carrying out the desire of our Hon'ble Prime Minister, Begum Khaleda Zia. It has been decided that BWDB along with WARPO, CEGIS and IWM would plant 10,000 different timber and medicinal plants by their own finance with the conformity to the 'Tree Plantation Manual-2003' along the country side of the Dhaka Integrated Flood Control Embankment near BWDB's Goran-Chatbari Pump House. WARPO will plant 1,000 plants in 1 km area along the Flood Embankment.

Consequently, on 8 May, 2005, Mr. Hafiz Uddin Ahmad, BB, Hon'ble Minister for Water Resources inaugurated the tree plantation program at Goran-Chatbari Pump House premises by planting a Krishnachura tree in the presence of Mr. M.A. Khaleque, Hon'ble MP; Mr. Md. Abdul Aziz, ndc, former Secretary (In-Charge) of Ministry of Water Resources; Mr. Hossain Shohid Mozaddad Faruque, Director General, WARPO and other high officials of MoWR, BWDB and different Organizations.

Workshop on Groundwater Modelling

International training course on "Groundwater Modelling" was held at the Department of Geology of the University of Dhaka during 11-15 September, 2005. Total 26 professionals from Bangladesh and India attended the training course. Mr. Hasan Shahriar, Scientific Officer from WARPO attended the course. Drs. Clifford I. Voss and Holly A. Michael were the instructors. Dr. Voss heads research projects concerning subsurface flow and transport phenomena at the U.S. Geological Survey (USGS). Participants have learned to set up, run, and interpret a highly configurable groundwater flow simulator (U.S. Geological Survey's MODFLOW code <http://water.usgs.gov/nrp/gwsoftware/modflow.html>) using a powerful graphical interface (MODFLOW GUI based on ArgusONETM <http://www/argusint.com>) and MODFLOW post-processing software.

Training on Project Management



Engr. Md. Rezaul Karim, Senior Scientific Officer, WARPO attended the training program on project formulation in Palli Unnyan Academy during 11-22 September, 2005. Participants from different organization attended in the training program.



Planning Conference on Urban Water Management held at Tehran

H. E. Mr. Hafiz Uddin Ahmad, BB, Hon'ble Minister for Water Resources and Mr. Hossain Shahid Mozaddad Faruque, Director General, Water Resources Planning Organization attended the Planning Conference and the 3rd Governing Board Meeting of The Regional Centre on Urban Water Management (RCUWM), at Iranian Centre for International Conference (ICIC) Tehran, Iran from 25 - 27, February 2005 with following objectives:

RCUWM objectives:

- To generate and provide scientific and technical information on UWM issues in the region that will allow the formulation of sound policies leading to sustainable and integrated UWM at the local, national and regional level.
- To promote research on UWM issues through regional co-operative arrangements using and strengthening local capabilities and involving international institutions and networks, in particular those under UNESCO/IHP auspices.
- To undertake within the region effective capacity building activities at institutional and professional levels, and awareness raising activities targeted at various audiences, including the general public.
- To enhance co-operation with international institutions in order to advance knowledge in the field of RCUWM.

Planning Conference Objectives:

- ◆ To prepare a Project Portfolio for consideration of the Governing Board
- ◆ To suggest funding mechanism for RCUWM and for the Projects



Planning session of the conference



Participants of the conference



Mr. Hafiz Uddin Ahmad, BB, Hon'ble Minister for Water Resources and Mr. H.S. Mozaddad Faruque, DG, WARPO are seen in the conference.

Workshop on PPR- 2003

Four WARPO officials have participated in workshop on Public Procurement Regulations (PPR) - 2003 during 27-29 June 2005 at BWDB Training Institute, Bhagyokul, Munshigonj. The purpose of the workshop was to promote value for money in public procurement on behalf of the Government while ensuring that public procurement methods are conducted in a fair, transparent and non-discriminatory manner, thereby promoting economic and social development. The workshop had three modules such as introduction to PPR, basic procurement rules and methods of tendering. Under these modules, 59 regulations have discussed very clearly and each participant was able to understand the idea of PPR-2003. These regulations shall apply to all public procurement except if the Government decides that it is in the interest of national security or national defence to use a different method.



PPR Workshop Participants (From Left: Md. Hasan Shahriar, Krishna Chandra Bhadra, Dr. Aminul Haque and Md. Jahid Hossain)

Lecture on ICZM in Sri Lanka

Mr Jayampathy Samarakoon, ARACADIS EUROCONSULTANT, Arnhem The Netherlands made a presentation on "Initiatives and Practices in Integrated Coastal Zone Management in Sri Lanka: Some Considerations" on 5th October in WARPO conference room under the chairmanship of Mr Md. Abdul Haque Sardar Peng, Director, Water Resources Planning Organization. Officials and experts of WARPO and PDO-ICZMP attended the lecture and discussed many issues on coastal zone management strategy, tsunami, planning procedure etc. The lecture ended with a vote thanks to and from the chair.

Induction Training for the Newly Recruited Scientific Officers

Induction training for the newly recruited scientific officers held at Engineering Academy, Kaptai from 22nd July to 22nd September 2005. Responding to the request of the director general of WARPO, BWDB arranged the training course with the induction training of the newly recruited assistant engineers of BWDB. Mr. Md. Akhtaruzzaman, Mr. Kazi Saidur Rahman, Mr. A. K. M. Khusrul Amin, Mr. Md. Hasan Shahriar, Mr. Md. Jahid Hossain, Mr. Krishna Chandra Bhadra from WARPO attended the training course. The training course covered PPR-03, MBO, tender evaluation, ADP formulation, allocation, National Water Policy, NWMP, fixation of pay, audit. As a part of the training course trainees had to deliver several Bengali and English speeches, participate in debate and present reports. In addition to the classroom lectures trainees attended in field trips in Sylhet, Moulovibazar, Jaflong and Madhabkunda, Muhuri irrigation project, Cox's Bazar, Teknaf, Rangamati, Shuvolong, Karnaphuli Paper Mills Ltd., Bandarban and Chimbuk, Karnaphuli Irrigation Project. Mr. Md. Arzel Hossain Khan, principal scientific officer of WARPO attended the training as a resources person to deliver lecture on National Water Management Plan. The trainees have successfully completed the training course.



Participants with the officials of the induction training

Twinning Mission for Supporting Institutional Development of WARPO

Institutional Development of WARPO is a pre-requisite to implement the mandate and carryout the functions effectively. This involves changes in the management and appointment of relevant qualified and skilled professionals. An institutional strengthening is necessary to carryout the mandated tasks and responsibilities more efficiently and effectively. Twinning arrangement between the Ministry of Water Resources of Bangladesh and the Ministry of Transport, Public Health and Water Management of the Netherlands was signed on November 22, 2000 to support WARPO in the field of institutional strengthening and capacity building.

Major objectives of the twinning arrangement are:

Provide, taking into account the policy framework of the bilateral development co-operation relation, a long term basis for inter-agency/institutional collaboration in the Water Management Sector.

Support the ongoing transformation process in the water sector of Bangladesh with an emphasis on multidisciplinary co-operation, management structures, policy development and implementation, and division of tasks and responsibilities between public and private sectors.

Strengthen capacities in the field of integrated approaches for planning, implementation and maintenance of water and coastal resources and water-related infrastructures.

The following issues were discussed in details during the Twinning Mission-XI held on June 2005:

Progress made on ODP finalization issue

Initiatives taken for activating Board of Governors meeting and activating Executive Committee of WARPO.

Actions taken for implementation of Clearing House role of WARPO.

Action taken for conversion of 87 temporary posts into permanent posts.

Development of Action Plan based on the outline developed during Twinning Mission X (in three phases e.g. Inception, Development and Implementation) by five sub-groups of WARPO Task Force and group wise presentation of Action Plan.

WARPO Task Force handed over a progress report on Inception phase of the Action Plan to the Twinning Mission-XI.



Twinning Mission of Netherlands and taskforce members of WARPO are seen in picture.



Twinning Mission of Netherlands and taskforce members of WARPO are seen in picture.