

ANNUAL REPORT 2012-2013



India Water Partnership



ANNUAL REPORT

India Water Partnership for the Year 2012-2013

(Presented to the General Body of Members)

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**Message from Dr. R K Gupta, President, India Water Partnership &
Chairman-cum-Managing Director, WAPCOS Ltd.**

It is a great pleasure for me to associate with the India Water Partnership (IWP) as President w.e.f 1st January, 2013. IWP was founded in 2001 with the mandate to provide a coordinating and networking mechanism for institutions and organizations concerned with development and management of water resource, at local, regional and national level.



I am delighted to share with you that during 2012, IWP network partners have contributed effectively in drafting of the National Water Policy 2012 for which discussions were held by IWP at various regions across the country. During India Water Week-2012 organized at New Delhi, IWP took the lead to organize a panel discussion on “Draft National Water Policy-2012 in Context of Climate Change” which provided rich inputs to strengthen the final version of the policy.

In November, 2012 with the support of Ministry of Water Resources, IWP & WAPCOS Ltd. facilitated Global Water Partnership (GWP) Steering Committee meeting which was organized from 27th to 30th November, 2012 at Vigyan Bhawan, New Delhi. On the occasion of Steering Committee meeting, IWP also organized a panel discussion on “Water, Food Security & Livelihoods: Challenges and Lessons for South Asia” wherein senior officials of Planning Commission, Govt. of India, Ministry of Water Resources, Govt. of India, country chairs of GWP, South Asia, GWP Steering Committee members, Central Water Commission, Central Ground Water Board, National Water Development Agency, WAPCOS Ltd. officials and IWP partners participated.

Though central government, state governments and voluntary organizations are making rigorous efforts to restore the sustainable development, we as individuals and social network groups need to respect and protect our environment and make all attempts to conserve and sustain water resources by involving all stake holders.

IWP through its Zonal Water Partners and Area Water Partnerships is contributing to the sustainable water resource management by raising the issues /voices with the local authorities, organizing policy level dialogue, providing knowledge platform. We are collaborating with GWP, GWP-South Asia and Asia Pacific Adaptation network for implementing GWP-South Asia 2009-13 strategy.

It is my privilege to present below the Annual Report and Audited Statement of Accounts of IWP for the year 2012-2013. This Annual Report is full of examples of the small efforts being made by us through our network partners towards greater water security by working in partnership.

I. About India Water Partnership (IWP)

India Water Partnership (IWP) is a non-profit organization with a goal of promoting Integrated Water Resources Management (IWRM). IWP started as an informal body first under the Chairmanship of Prof. S R Hashim (the then Member, Planning Commission) (1997-98). Dr. Y K Alagh (former Union Minister of Power, Science & Technology, Government of India) was its next President. Shri Balasaheb Vikhe Patil (former Member of Parliament & Minister of Industries, Government of India) was the President during 2004-06. Thereafter, Prof. S R Hashim took over charge again in 2007 and continued till 31st December, 2012. Dr. R K Gupta, Chairman-cum-Managing Director, WAPCOS Ltd. took over the charge as President w.e.f. 1st January, 2013.

IWP became a legal entity on 28th November, 2001 with its Memorandum of Association registered in Haryana under the Society's Registration Act having registration number as 2391 dated 28.11.2001. It has now been re-registered under Haryana Societies Registration Act 2012 and has received the registration number as H R 018 2013 00867. The IWP is also accredited by the Global Water Partnership (GWP) headquartered at Stockholm, Sweden as one of its Country Water Partnerships and thus also known as (GWP-India).

II. Key Areas

IWP has been active in promotion of Integrated Water Resource Management (IWRM) principles and practices to support national development priorities. Some of the core priority areas are; promoting IWRM approach effectively through workshops and consultations to address adaptation to climate change with the support of Zonal Water Partners (ZWPs) across the country; encouraging use of innovative low cost water saving technologies by the farming communities; sustainable natural resource management; integrated domestic water management; promoting Area Water Partnership (AWP) for river basin management; conflict resolution on water sharing; inter-state trans-boundary water sharing issues, gender mainstreaming, etc.

III. Network Partners

IWP carries out its activity through its network partners spread across the country under the guidance of its Board of Governors. Besides this, the Zonal Water Partnerships (ZWPs) established in six zones of the country are helping IWP to achieve its objectives within their zones. There are 104 network partners of IWP as life and annual members. Besides this each zonal water partnership has its own members, a few of which are also members of IWP. **Figure-1** below shows type of organizations associated with IWP as network partners. **Figure-2** indicates State-wise number of network partners (State-wise list is enclosed as **Annex-I**).

Figure-1 : Type and Number of Organizations as Members of IWP

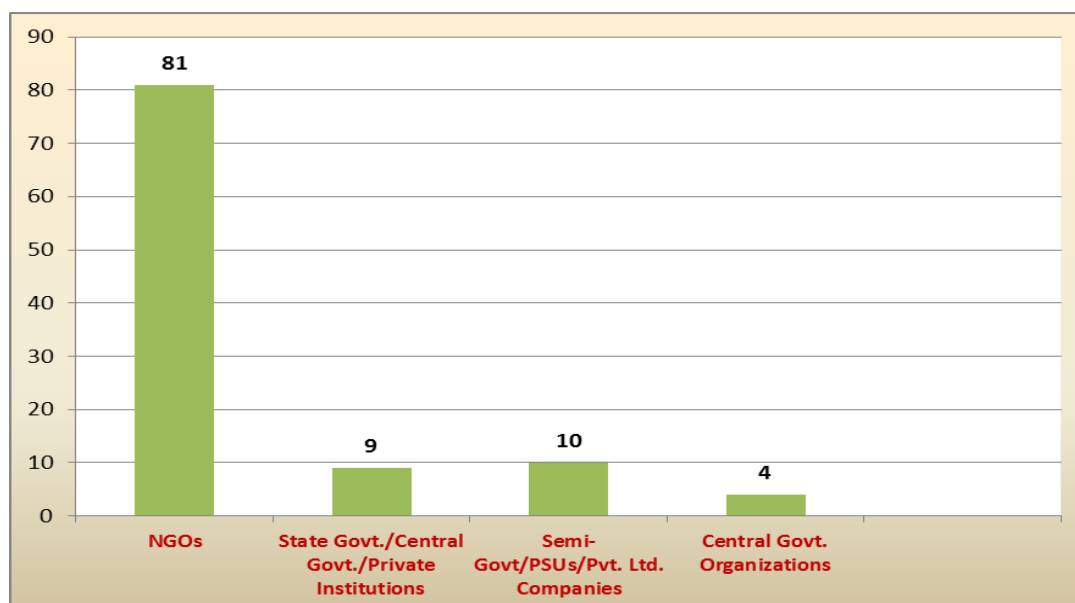
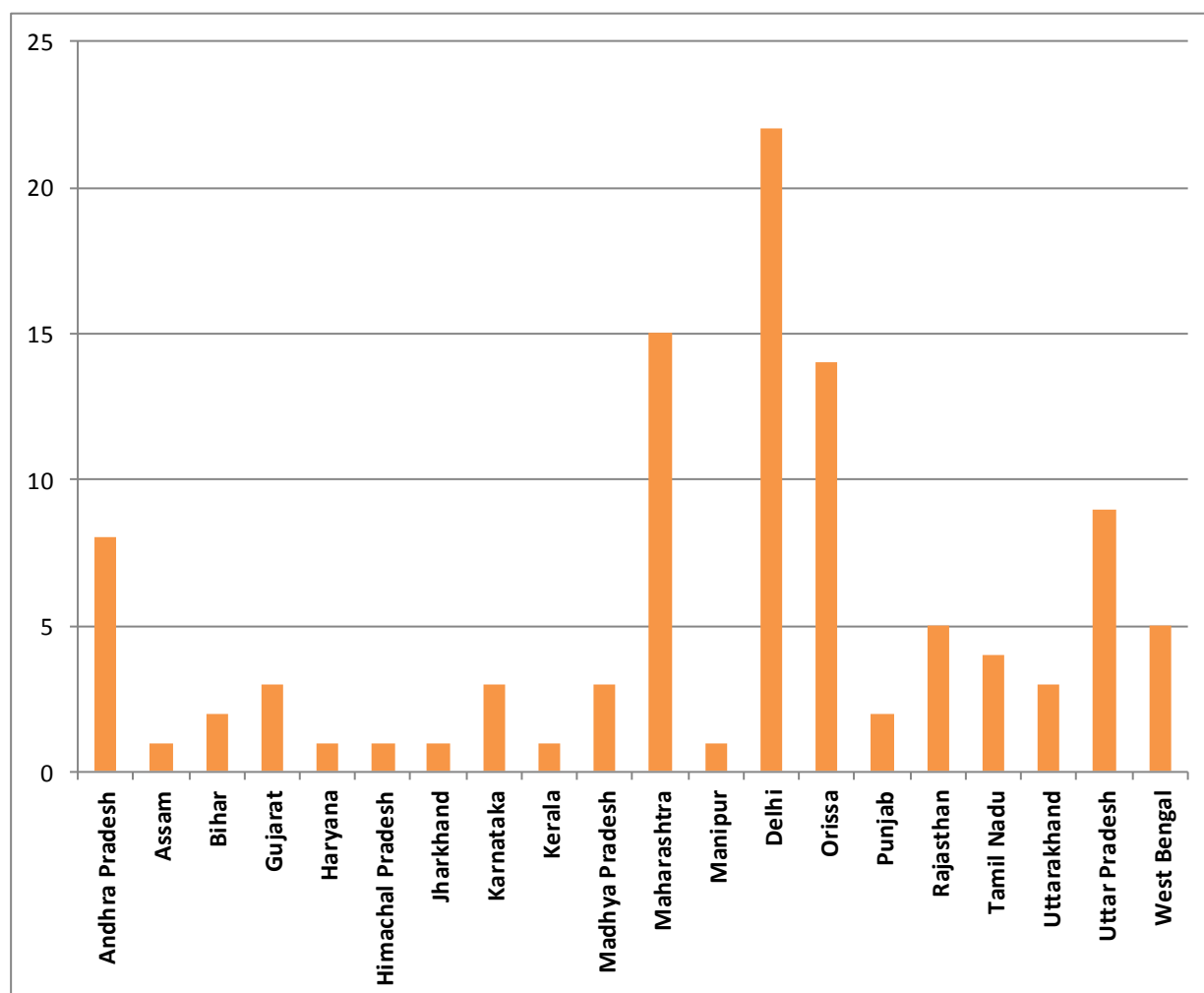


Figure-2 : State-wise Number of IWP Members



IV. Mission

The mission of IWP is to support action of sustainable and integrated development and management of water resources at national, regional, river basin/sub-basin and local levels in India.

V. Objectives

The IWP has the following broad objectives:

- To highlight the critical role of water for future survival of human beings and draw attention to its increasing scarcity and the resulting implications for policies, programmes and projects.
- To propagate the role of water as an economic and social good as well as a basic human and animal right and support policies and programs necessary for an economically efficient, socially acceptable and environmentally sustainable use of water resources.
- To provide a coordinating and networking mechanism for institutions and organizations concerned with development and management of water resource projects of all dimensions, types and uses including community initiatives, people centered actions, water harvesting, revival of traditional practices.
- To render assistance in promoting role of women, youth and children in water resources.
- To interact with GWP, GWP-South Asia and other national and international or supra national agencies dealing with water resources.
- To function as a think tank for water related issues.

- To provide and strengthen mechanism for exchange of information, experiences, ideas and approaches among stakeholders and help in evolution of a consensus on water related issues.
- To generate an environment for formation of Area Water Partnerships at sub-national levels like state, river basin/sub-basin, etc.
- To take any other measures which are incidental to the objectives listed above.

VI. Board of Governors

The management of affairs of the IWP is entrusted to a Board of Governors. The Board of Governors comprise of 27 members. Of these, 3 members are from Government of India, 3 are from State Governments, 6 are co-opted members and 15 are IWP network water partners. The Board of Governors meets regularly and guide & monitor the various activities of IWP as per the country's priority areas as well as in line with GWP Strategy 2009-13. The Board of Governors also approve the Work Plan and Budget for each year. The list of Board of Governors as on 31st March, 2013 is given in **Annex- II**.

VII. Zonal Water Partnership Coordinators of IWP

The Coordinators of Zonal Water Partnership are; (i) Prof. Vijay Paranjpye, West Zone; (ii) Prof. Surjit Singh, North Zone, (iii) Mr. Ravindra Shukla, Central Zone; (iv) Mr. Tapan K Padhi, East Zone; (v) Mr. L Jelshyam Singh, North-East Zone; (vi) Mr. Bilal Ahmad Pandow, Jammu & Kashmir Region and (vii) Mr. A Gurunathan, South Zone.

VIII. Activities implemented by IWP during 2012-13

The activities undertaken by IWP during 2012-13 were based on priority areas identified by IWP partners in context of Global Water Partnership-South Asia Strategy 2009-13 under four goals. Highlights of the activities are given below:

Goal- I: Promote Water as Key Part of Sustainable Development

Multi-stakeholders' Consultation on "Issues of Governance in the Water Sector" organized by India Water Partnership on 18th June, 2012 at New Delhi

IWP has been working for having good governance in the water sector for sustainable use of water resources of the country. In this context a multi-stakeholders consultation on "**Issues of Governance in the Water Sector**" was organized by IWP in association with Transparency International India (TII) on 18th June, 2012 at New Delhi. The consultation primarily focused on: (i) Context of water resources governance and management (Governance in use of groundwater and urban water supply), legal issues, global discourse; (ii) Mapping potential corruption risks in the water sector & strengthening integrity, transparency and accountability; (iii) Creating coalitions at all level and engage with various stakeholders; and (iv) Institutions and capacity building: knowledge sharing and reforms.



Multi-stakeholders consultation on "Issues of Governance in the Water Sector"

This consultation was attended by 30 participants comprising of Government, Non-Government Organizations and representatives of Resident Welfare Associations, Municipal Councilors, IWP network partners, Transparency International India (TII) officials and media.

Ms Anupma Jha, Director, TII in her opening remarks said that transparency and accountability is important for water security. Dr. Veena Khanduri, Executive Secretary, IWP emphasized that as of today water governance is no more in the domain of the water managers because of multi-level (local, regional, sub-national) and multi-dimensional (economic, social and environmental) phenomena and challenges is beyond the river basin boundaries.

Hence it is now important to focus how we as a society can manage our water resources as a part of effective water governance as multiple authorities and coordinating agencies are working.

Dr. Prem S Vashishtha, Board member, IWP expressed that capacity building of water utilities and mind set change of government officials are the important aspects in water governance.

The experts stressed on the fact that efficient governance required strong leadership policies and regulations to allocate necessary financial resources and provide incentives for increased investment and transparency.

Mr. Anil D Mohile, former Board Member, IWP & Retired Chairman, Central Water Commission who chaired the consultation said that water resources governance and management scenario in India is undergoing structural changes.

It was concluded that stakeholders' responsibility and authority, financial viability, innovation and Research & Development, capacity building and inter-coordination among the various departments are the key parameters for effective water governance. It was also discussed that investing in governance reform is cost effective compared to the cost of investment in technological solutions.

Output/ Outcome

The effort of IWP was appreciated by the invitees. The consultation ended with the recommendation that such initiatives need to be taken-up from time to time for effective governance in water sector.

Multi-stakeholders' Consultation on Ground Water Regulation and Management

With the support of IWP, a Multi-stakeholders' Consultation on "**Ground Water Regulation and Management**" was organized by National Institute for Development, the Eastern Zone Water Partnership Coordinating Agency and Odisha Water Forum on 29th June 2012 at Hotel Presidency at Bhubaneswar, Odisha. Thirty five people from State Department of Water Resources, local civic society, NGOs and media persons participated in the consultation.

The workshop was presided by Dr. Sisir Behera, Deputy Director, Department of Water Resources, Odisha and also a key member of Odisha Water Forum. Mr. Kailash Dash, Executive Director of RCDC was the Chief Guest. Mr. Tapan K Padhi, Convener of Eastern Zone Water Partnership formally welcomed the participants and spelt out the workshop objectives. Mr Bikash Pati, Program Officer, Water Aid, Bhubaneswar made a presentation on challenges to ground water in Odisha as well its neighboring states. This presentation set the tone for the discussion on the various issues on ground water by the participants.

It was stressed that in the changed context of enhanced dependence on ground water and climatic change, if the state does not exhibit utmost care in making policies for managing ground water, it will severely affect the water security of the State. Mr. Bimal Pandya initiated the discussion on Odisha Ground Water (Regulation and Development) Bill, 2011. He presented that other than the creation of a Regulatory Authority to regulate the water usage in the notified areas and a lip service to the rainwater harvesting, the bill does not offer anything that will address the issues confronting the ground water

sector in the state. Mr. Tapan Padhi discussed regarding the latest Ground Water Model Bill 2011, by the Central government and raised apprehensions that the State is getting into the legislation in a hurried manner.

The participants expressed concern that the Odisha Ground Water Bill 2011 does not take into consideration the 73rd amendment and does not decentralize the authorities at appropriate levels. It also does not address the equity concern with respect to land entitlements.

Output/ Outcome

The following decisions were taken in the multi-stakeholders' consultation:

- To form a core group to follow up the whole initiative.
- The core groups will prepare a detailed critique to present to the government officials who are responsible for the drafting the Bill.
- The groups will consult legal experts whether a state legislation severing the link between the land ownership and ground water can stand the legal scrutiny with respect to Easement Act which is a Union legislation. The support of India Water Partnership (India Water Partnership) also will be sought in this regard as they are in a better position in this regard.
- The team will meet the legislators of the State Assemblies to influence the discussion in the Assembly.
- Possibilities will be explored to ensure that the team works on a long term basis on ground water.

Panel Discussion on “Water, Food Security & Livelihoods: Challenges and Lessons for South Asia” on 27th November, 2012 at New Delhi



The GWP Steering Committee (SC) was hosted from 27th November to 30th November, 2012 at New Delhi by Ministry of Water Resources, Government of India. On the Inaugural Day of GWP SC meeting, a panel discussion on “**Water, Food Security & Livelihoods: Challenges and Lessons for South Asia**” was organized by India Water Partnership with the support of

WAPCOS Ltd. (the Secretariat of IWP) in the forenoon of 27th November, 2012 at Vigyan Bhawan, Annexe, New Delhi. More than 50 participants including GWP SC members, GWP team, all the country chairs of GWP-South Asia, senior officials from Ministry of Water Resources, WAPCOS, Ltd., Central Water Commission, Central Ground Water Board, National Water Development Agency, International Commission on Irrigation and Drainage, Department of Drinking Water Supply, IWP Board members and Media officials participated in the panel discussion.

Dr. Abhijit Sen, Member, Planning Commission, Govt. of India chaired the panel discussion. The panelists were; Mr. G Mohan Kumar, the then Addl. Secretary, Ministry of Water Resources, Government of India, Sardar Muhammad Tariq, former Chair, GWP-South Asia, Prof. S R Hashim, former President, India Water Partnership, Mr. Eugene Z Stakhiv, GWP SC member and Dr M A Chitale, former Secretary, Ministry of Water Resources, Govt. of India

Mr. G Mohan Kumar mentioned that water is vital for food security as well as energy security. IWRM has been the cornerstone of India's Water Policy, though the concept of sustainability has not taken roots due to problems of water use, water quality, pollution, ecological damage to rivers, dams etc. He further said that agriculture is the major user of water. The main goal of National Water Mission is to increase water use efficiency. The main challenges for increasing water use efficiency are transmission losses, farmers' non-awareness of water use efficiency, lacunae in soil and water management, etc. Supply of water is limited and investment on new structures will be huge, said Mr. G Mohan Kumar. He also mentioned that basin management needs to have a larger legal framework within the framework of federalism. Governance at the larger level must be supported by interventions at the micro level. Participatory management of water resources at village level should form part of the development paradigm.

Mr. Eugene Z Stakhiv, GWP SC member argued that challenges can be turned into opportunities as after every episode of a calamity like cyclone, the local community becomes more resilient. Since 1975 population grew by 50% but water use increased by only 10%. He said that in US there is a vertical integration at policy and governance level and horizontal integration at project and inter-ministerial level. Strong regulatory and enforcement measures for water use have ensured that water is used efficiently. He also mentioned that there will soon be a paradigm shift through technological advances (Nano technology based water boilers, use of algae etc.).

Dr. M A Chitale stressed on the importance of urban and industrial growth in water use. There is water scarcity once in five years in many parts of India. He called for the need for creating buffer stock of food, and separate budgeting for grass land development.

Sardar Mohammad Tariq, former Chair, GWP-South Asia told that South Asia is the hotspot of climate change and one of the poorest regions of the world. But it has several strong areas such as high potential for irrigated agriculture, good progress towards food security, potential for yield increases etc. Sardar Tariq further stated that sea food is abundantly available in South Asia which can be tapped for ensuring food security. He also mentioned that in South Asia, 50 % of agriculture is dependent on groundwater which is highly energy dependent. Also South Asian countries are facing pollution of surface water.

Prof. S R Hashim, former President India Water Partnership, said that food security is a major concern in India because of its large population which is 1.22 billion at present and is expected to increase to 1.60 billion by 2050. Food grains consumption which is 230 million MT currently is expected to increase to 350 million MT by 2050. Water demand is increasing and climate change has added another level of uncertainty.

It was highlighted during the discussion that with more and more people living in mega cities such as Delhi, increasing demand for water will stress existing water resources. We will need to produce more food with less water to feed a planet of 8 billion people by 2030. Energy demand will be more than double in emerging economies in the next 25 years and hydropower will be a significant source of clean energy production. Floods and droughts, exacerbated by climate change, will continue to threaten farmers' livelihoods and lowland (coastal) economies. The world is fast waking up to the immutable fact that water is scarce and finite and that the only way forward is to wisely manage this precious but finite resource. After all – water is life.

Concluding the panel discussion, Dr. Abhijit Sen said that from 1997 to 2012, climate has changed drastically. Average temperature has gone up by 0.6 degree C. Last five years have been the hottest.

Annual rainfall has decreased in the last three years and there has been 5% deficiency in normal rainfall. We have achieved a 40 million MT increase in food production without any major changes in technology. The next push needed is to use sunlight effectively for the production of vegetables. There are difficulties in using price mechanism in the water sector. Ground water storage is more acceptable to people than surface water storage. Dr. Sen further stated that the Planning commission, Govt. of India lays great emphasis on water as a major development issue. The water sector in India is marked by high population pressure, interstate water disputes, problem of governance, neglect of end users, etc. Water availability is short by 30% of the projected growth of population. Water use efficiency needs to be increased. Agriculture will continue to be the major user of water if food security is to sustain. Demands from urban and industrial sectors are growing. Drinking water is the major priority area as there are a number of habitations which still do not have assured drinking water supply.

In her vote of thanks, Dr. Veena Khanduri, Executive Secretary of India Water Partnership, expressed her gratitude to Dr. Abhijit Sen, Dr. Letitia A Obeng, outgoing GWP Chair, Dr. Ursula Schaefer-Preuss, newly appointed GWP Chair, Dr. Ania Grobicki, Executive Secretary, GWP and the panelists for their gracious presence and views during the panel discussion. She said that the discussion brought out very important issues such as pricing of water, appropriate technologies, and adoption of regulatory framework for efficient use of water, basin management and governance at all level supported by participatory approach.

The main SC meeting which started in the afternoon of 27th November, 2012 continued till 29th November, 2012 evening. On 30th November, 2012 the GWP team and SC members were taken for a field trip to Roof Top Rain Water Harvesting and Artificial Recharge to Ground Water at Shram Shakti Bhawan, New Delhi (three lateral trenches with twin recharge wells) and Sonia Vihar Water Treatment Plant at Wazirabad, Delhi.

A press release on the GWP SC meeting dated 27th November, 2012 is uploaded on Press Information Bureau, Government of India official website under heading "The Apex Body of the Global Water Partnership Meets in Delhi to Promote a Water Secure World".

Output/Outcome: The panel discussion organized on Inaugural day of the GWP SC meeting was a fruitful discussion in which the GWP officials, GWP SC members, Country Chairs of each CWP, senior officials of Govt. of India presented their views at the current situation on Water, Food Security & Livelihoods: Challenges and Lessons for South Asia and made recommendations for taking remedial measures.

Preparation of Interim Report for Wainganga river sub-basin Planning Project

During 2011, IWP had supported West Zone Water Partnership Co-coordinating agency Gomukh Trust for Sustainable Development (Gomukh Trust), Pune to initiate the planning process for preparing Integrated Water Resources Development and Management Plan (IWRD &MP) for Wainganga River Basin. Before preparing this plan, preparation of an Interim Report for Wainganga river sub-basin Planning Project was taken up by Gomukh Trust, in October, 2012 for which the village level surveys for data collection on population, area under cultivation, area under industries, revenue etc. was conducted. Data of over 1000 villages was collected by the Gomukh Trust. Details on watershed development works represented on detailed micro-watershed maps were also collected. Detailed survey on traditional water harvesting structures was conducted with public participation and documentation was done. Several traditional water harvesting structures have been found in the Wainganga River sub-basin. Some of those include, gullies carved in stones for rainwater harvesting, Kunds constructed during Yadav period and stop-wells in Bhosle period.

Output/ Outcome : The data/information after compilation would help in preparing a sound Integrated Water Resources Development and Management Plan for Wainganga river sub-basin.

**Research study on “Policy initiative on Ground Water Legislation in the Eastern States of India” by
Coordinating Agency of Eastern Zone Water Partnership**

During 2013, India Water Partnership entrusted National Institute for Development, the coordinating agency of Eastern Zone Water Partnership with the support to undertake a study on ***“Policy initiative on Ground Water Legislation in the Eastern States of India”*** (Bihar, Jharkhand, West Bengal & Orissa).

The study aims to document the ground water situation in the eastern States of the country as well as to review the ground water legislation in these States. As of now, gathering of information from secondary sources on the ground water situation and ground water legislation of West Bengal and Bihar has been completed.

Some of the important findings based on the information gathered are as follows:

West Bengal

- In West Bengal, the average ground water development has been to the tune of 42% as against the national average of 58%.
- Only 10 blocks out of 269 blocks that has been assessed, have been found to be critical, and 28 are semi-critical. The rest are safe blocks. 59 saline blocks are left out of this assessment.
- Post 1980s, the ground water extraction has been on the rise substantially.
- West Bengal Groundwater Resources (Management, Control & Regulation) Act formed in 2005 made mandatory to take permission for installation of motor driven pumps for ground water extraction. The electricity subsidy in the form of a flat rate charge has raised the concern that this may lead to over extraction.
- Arsenic and fluoride due to gynogenic causes has posed as a major water quality and health problem in the state. The existing ground water legislation does not make much attempt to address them. Rather the prevailing enactments have the elements to complicate it further.

Bihar

- Bihar is blessed with un-replenishable ground water reserve of 29.19 BCM and the net ground water availability stands at 27.42 BCM. The annual draft stands at 10.77 BCM.
- The stage of ground water development in Bihar is 39% as against the national average of 58%.
- Bihar does not have any over exploited, critical or semi-critical blocks. Ground water user maps are available for all 38 districts of Bihar.
- As many as 21 districts in Bihar have the problem of iron contamination. While parts of nine districts are affected by fluoride, and as many as 15 districts have the problem of Arsenic in different areas. Parts of 9 districts are affected by Nitrate contamination.
- One of the areas of concern for the Bihar Groundwater (Regulation and Control of Development and Management) Legislation, 2006 is that it does not have any provisions for the participatory ground water governance, or decentralization of authority for the regulation and management of ground water.

Study on the impact of Climate Change on frequency and intensity of floods in the Wainganga Basin

Goal II: Coping with Critical Water Challenges through Partnerships to Secure Mutual Goals

Wainganga River originates from the state of Madhya Pradesh and flows through the state of Maharashtra before joining river Godavari. In the recent years flooding in the Wainganga basin especially in the Vidharba region has affected the agriculture production of the area. So to solve the problem of flooding, West Zone Water Partnership, Coordinating agency, Gomukh Environmental Trust for Sustainable Development (Gomukh Trust), Pune with the support of India Water Partnership has

started preliminary study on floods in the Wainganga Basin as part of preparation of Integrated Water Resources Development and Management Plan for Wainganga river basin. Preliminary study showed that the Wainganga River Basin has experienced three major flood disasters during 1994, 2001, and 2005.

Further, the flood survey has identified 187 villages along the river with 94 villages on the left bank and 93 on the right bank. The natural flood carrying capacity of the river channel varies between 18000 cumecs and 20,000 cumecs and the villages immediately next to the river banks are the most vulnerable to inundation.

It is expected that the Wainganga Basin would receive higher than average rainfall as an impact of Climate Change. However, there has also been a marked increase in the dry spell in the region, which would necessitate better management of the reservoirs.

Smaller sub-basins like Chulband, Gadhvi, and Khobragadi which are mostly seasonal rivers would also experience floods due to climate change and it would be necessary to conduct similar studies on the sub-basins of the Wainganga River System. The detail study would be conducted if South Asia Regional Proposal on improving the resilience of South Asian countries to withstand the impacts of climate change materializes.

Networking among Civil Society groups and local Panchayat Raj Institutions (Gram Sabhas) for formation of an Area Water Partnership in Wainganga river sub-basin

IWP has been working on participatory approach for the water resources management. Therefore, IWP has helped in formation of Area Water Partnership in areas which are facing problem water and food security. Taking this initiative forward, IWP with the support of West Zone Water Partnership (WZWP) Coordinating Agency, Gomukh Environmental Trust for Sustainable Development (Gomukh Trust) held meetings during April, 2012 in Bhandara, Gondia and Gadchiroli districts of Maharashtra as part of its initiative for formation of a River Basin Organization (RBO) in Kathani Sub basin. For entry point activity, WZWP initiated discussion for formulating a plan which would respond to the drinking water scarcity. During the meetings, it was decided that 8 villages in the Wainganga river basin will be selected for assessing the status of drinking water. Local groups like; Bhandara Nisarg Va Sanskruti Abhyas Mandal and Srishti would be assisting the West Zone Water Partnership in this survey.

Broad issues which form the objectives of the Integrated Water Resources Development and Management Plan (IWRD&MP) for Wainganga River sub- Basin like use of appropriate technologies, building resilience to climate change, equity, gender balance, etc. will be included while studying the status of drinking water systems in the area. It will help in reinforcing the need to invest in providing basic infrastructure in the region and also to pin down the specific issues with respect to drinking water supply that plague to region. Outcome of this study will be integrated into the IWRD&MP. However, during this meeting, it was decided by the stakeholders that instead of formation of RBO, it would be good to form an Area Water Partnership in middle Wainganga River Sub basin, since the stakeholders from many sub-basins are already involved in the planning process and have been networking on various issues related to the Wainganga basin. The process for formation of **an Area Water Partnership** has been initiated by the Gomukh Trust which has been named as **Middle Wainganga Area Water Partnership**.

Sensitization Workshops on Community Livelihood Resilience on Climate Change in Odisha

Carrying forward the activity of spreading awareness regarding the effects of climate change in Odisha, IWP partner organization; UDYAMA located at Bhubaneshwar, Odisha organized two sensitization workshops during 2012 on “**Community Resilience on Climate Change**”. The details are as follows:

a) The first sensitization workshop was held on at Revenue Divisional Commissioner's Conference Hall, Berhampur on 29th June 2012. The workshop was inaugurated by Hon'ble Revenue Divisional Commissioner (RDC), Southern Division, Shri L N Nayak, IAS. The workshop witnessed 65 participants representing varied civil society organizations. The key participations were Dr. Krishan Kumar, IAS, District Collector, representatives of NGOs, PRIs, Berhampur Municipality, students, intellectuals and media. Shri Pradeep Mohapatra, Secretary UDYAMA, extended welcome greetings to Shri Nayak, Revenue Divisional Commissioner (RDC) and all the participants and subsequently shared with the house the objectives of the workshop and India Water Partnership's initiatives on promotion of integrated water resource management in the country.

Shri L.N. Nayak, IAS, Revenue Divisional Commissioner delivering the inaugural speech emphasized on collective actions, opportunities and way forward. He appreciated the efforts being made by UDYAMA in collaboration with India Water Partnership for undertaking responsibility for mass sensitization and resilience building on this emerging issues of climate change and expressed expectation from civil society representatives to undertake more actions and advocacy at regional level in Odisha to trigger this initiative.

Deliberation was held on initiatives undertaken related to Climate Change and Disaster Risk Reduction by creating awareness and generating collaborative strategies to reduce vulnerability to disasters and to respond to them effectively in Odisha. It was highlighted that there is a need of a shift from relief to resilience and involvement of cross sectors as a prerequisite to address recurrent disasters, reduce risks and create an enabling environment. PRIs, community groups, people's federation, local administration, state authorities, Govt., NGOs, corporate and financing institutions have a greater role in reducing disaster risks and building resilience. Shri Nayak, RDC enthusiastically heard the open house presentation/ discussion and informed the house that the state government has submitted a proposal on Climate Change with a budget of 17,000 crores to Central Government. This is the opportunity for NGOs/ CBOs to get involved in this process of mainstreaming and leveraging resources. He assured the gathering to extend cooperation and support in sharing and carrying forward good initiative(s) emerging from the workshop with the District Collectors of the Division and the State Government.

b) The second workshop was held on 23rd July, 2012 at Gandhi Smarak Nidhi, Bokharabad, Cuttack. Workshop participants included representatives from varied NGOs working on issues related to Climate Change (such as, Regional Centre for Development Cooperation (RCDC), Bhubaneswar; Lutheran World Society India Trust, Cuttack; Jageswari Jubak Sangha, Nimapada Puri; Integrated Rural Development Agency, Kendrapada) and 120 Swayamshree women federation members (SHGs representatives). The workshop also witnessed participation of representatives from local urban and rural governance institutions like delegates from Cuttack Municipal Corporation, Sarpanches (Village heads) from Jagatsinghpur.

Mr. Pradeep Mohapatra, Team Leader, UDYAMA, Bhubaneswar, reiterated that the programme aims to create awareness among the people on various consequences of climate change. Mr. Mohapatra also highlighted that sensitization of community is important as water has become one of the crucial and important factor for survival. Odisha witness multiple disasters such as, drought, flood, cyclone and sea surge and these hazards will get intensified in future. In this context, India Water Partnership extended support to UDYAMA to accelerate community sensitization initiatives bringing together all sectors to undertake a more proactive role towards climate resilient development.



Shri Pradeep Mohapatra addressing the workshop Participants

Mr. Manoj Dash, State DRM Coordinator, Project Concern International, Bhubaneswar, appreciated the effort of UDYAMA and India Water Partnership for initiating sensitizing initiatives at community level and organizing such awareness programs. He discussed about the risk reduction methods to be adopted and strategies to be followed and necessity of involvement of cross sectors in order to enhance community resilience and adaptation.

Deliberations by the participants were followed by an open house discussion on local issues related to climate change. It was felt by the participants that networking, lobbying, advocacy and sensitizing PRIs/ Corporate/ Local administration and Legislatures are some of the means to address the issues of climate change.

The workshop ended with all the participants taking an oath to reduce the adverse effects on climate change by initiating appropriate actions starting from their home front.

Output/Outcome : *The Sensitization Workshop on Community Resilience on Climate Change created awareness among the people on various consequences of climate change.*

Consultation on Water Governance in Assam: Priorities for Knowledge-based Interventions

Aaranyak, a partner of IWP in the North-East, is working on Climate and Water induced hazards in the flood affected areas in the state of Assam and striving for solution of the water related problems. In an



action research project carried out by Aaranyak on climate and water induced hazards, governance emerged as a most important issue. To examine the strategies formulated by the state government of Assam, Aaranyak with the support of IWP organized a **“Consultation Forum on Water Governance in Assam: Priorities for Knowledge based Interventions”** on 9th June, 2012 at Guwahati. Forty Five (45) participants representing Government, academic institutions, and civil society attended the event. The consultation was chaired by Shri H N Das, former Chief Secretary, Government of Assam.

The consultation focused on identifying and analyzing the most important water-related issues in the state for formulating a set of strategies for effective mitigation focusing on interdisciplinary research, intervention and policy advocacy. The session on flood & erosion management was moderated by Er. A K Mitra, Board Member of India Water Partnership and Former Secretary, Water Resource Department, Govt. of Assam who presented an analytical view of the flood and erosion problem in the complexity of the Brahmaputra river system and the inadequacy of knowledge on the same. Prof. Chandan of IIT Guwahati emphasized about the knowledge gaps that exist in the case of the Brahmaputra river basin. He insisted on bridging this gap before going for structural and other interventions to address the water related problems.

During the workshop it was felt that lack of knowledge about the catchment area within the state is an important issue that has to be addressed. Discussions also centered on activities covering interdisciplinary research, intervention and policy advocacy for addressing the most important issues and problems in the water sector for the state of Assam. Participants at the meeting felt that a **State**

Wetland Authority should be set up in order to get funds for conservation of water bodies. The other speakers called for identifying drought-prone areas in the state as there have been drought-like situations in the state recently.

Output/ Outcome

The forum recommended that there is a need to create a **Centre of Excellence** for studying the water regime of northeast India covering both the Brahmaputra and the Barak basin with an integrated approach. Also it was suggested to empower the Panchayats and the local governance so that they can manage local water resources themselves. Promotion of rain water harvesting especially in the water scarce areas and adoption of basin level water management to ensure proper planning and sustainable use and management of water resources of the state was also recommended.

Workshop-cum-Orientation Program on “Orientation Program of the District Officials and Civil Society for Disaster Risk Reduction and Adaptation for Extreme Natural Events” organized on 31st August,

IWP network partner, Action for Disaster Resilient and Inclusive Development (ADRID), New Delhi with the help of District Administration, Barabanki, Government of Uttar Pradesh and People’s Action for National Integration (PANI) organized a one day workshop-cum-orientation program on 31st August, 2012 at Barabanki, Uttar Pradesh on topic “**Orientation Program of the District Officials and Civil Society for Disaster Risk Reduction and Adaptation for Extreme Natural Events**” in ongoing development programs for the district. Fifty participants such as district officials including Shri Vijay Anand, Chief Development Officer (Barabanki), officials of different blocks, NGOs, civil society representatives attended the workshop-cum-orientation program. In the workshop, findings of the research study undertaken by ADRID earlier were shared with the participants. The workshop brought all the research outcomes of the study conducted in the district, focusing on issues related to Disaster Risk Reduction (DRR), climate change adaptation, food security and livelihood.



The workshop-cum-orientation program was chaired by Ms. Ministry S, District Magistrate, Barabanki. The study carried out by ADRID highlights vulnerability of Purudalai block due to recurring floods, particularly the case of extreme floods events in the villages located on the banks of river Ghaghara, which do not enjoy the protection afforded by the embankment. It was discussed that in the scenario of extreme events, how the flood, livelihood, food security, health are going to be protected.

The District Magistrate, Barabanki broadly agreed with the conclusions drawn by the study report and stated that district administration is already taking proactive action to mitigate the impact of some of the issues highlighted in the study report. Mr. Vijay Anand, advised the district officers to take note of problems faced by these villages. He also advised them to mobilize the stakeholders and ensure the formation of Women Self Help Groups to assist the State government and district officials in finding out viable solutions to the vulnerability of people in this flood prone region.

Output/ Outcome : The District Administration, Barabanki agreed to undertake new initiatives which may provide an integrated solution for problems arising due to climate change in the district.

Workshop on Adapting to Climate Change Impacts on Water in the Upper Brahmaputra Basin in Northeast India on November 17, 2012 at Dibrugarh, Assam

In continuation with its efforts for promoting sustainable development of water resources in the state of Assam, Aarayanak, an IWP partner in the North-East India, with the support of IWP organized a workshop on “Adapting to climate change impacts on Water in the Upper Brahmaputra Basin in North East India’ on November 17, 2012” at Shankardev Sabha Kakhya, DHSK College, Dibrugarh, Assam. Aim of the workshop was to:

- (i) Spread awareness about climate change impacts in the Brahmaputra basin as a whole, but referring especially to the water sector of the eastern part of the basin;
- (ii) Generate information about local observations and indicators of climate change impacts; in upper Assam area; and,
- (iii) Explore local and regional issues for research, documentation and advocacy.

The workshop featured several thematic presentations by reputed experts and practitioners on the core subject and interactive discussion in consultation mode took place with a set of recommendations for effective strategies of climate change adaption and governance reforms, aimed at empowering the people of the region to manage the climate change impacts in different sectors of society effectively.

The post lunch session was dedicated to an open house discussion and interaction with the resource persons on various aspects of climate change impact on the water sector in general and peoples’ lives and livelihoods in particular. Both the resource persons and the participants suggested various strategies of adaptations and coping to the changes an impacts induced by climate change in the eastern Brahmaputra basin region. Three leading newspapers of Assam had covered proceedings of the workshop.

Output/ Outcome : *The workshop helped to spread awareness about climate change impacts in the Brahmaputra basin as a whole, especially to the water sector of the eastern region of the country.*

Consultation on “Climate Change Adaptation in Water Management for Food Security in India: Recent Developments in South Asia (in context of India)” on 22nd November, 2012 under Asia Pacific Adaptation Network (APAN)

IWP organized a consultation on “Climate Change Adaptation in Water Management for Food Security : Recent Developments in South Asia (in context of India) ” on 22nd November, 2012 under Asia Pacific Adaptation Network (APAN) second assignment at New Delhi. Twenty (20) participants comprising India Water Partnership Board members, National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India, Climate change scientists from Indian Council of Agricultural Research (ICAR), Ministry of Agriculture, Govt. of India, Climate change experts from Department of Science & Technology, Government of India, senior officials from Central Water Commission, Climate Change experts from TERI and Civil Society representatives participated in the consultation.

The Assam Tribune, Guwahati, Monday, Nov, 26, 2012

Impact of climate change on water resources highlighted

STAFF REPORTER

GUWAHATI, Nov 25 – Various aspects of impacts of climate change on the water resources of the North-east as well as results from contemporary research relevant to the region – especially the Upper Brahmaputra basin area – were in focus at a one-day workshop on ‘Adapting to Climate Change Impacts on Water in the Upper Brahmaputra basin in Northeast India.’

The workshop was held at the Shankardev Sabha Kakhya of Dibrugarh Hanumanbux Surajmal Kanoi (DHSK) College on November 17, a press release from Aaranyak, the organisers, said. The workshop was organised in collaboration with the DHSK College with financial support from India Water Partnership (New Delhi).

The workshop began with Dr Sanchita Barua, Associate

Professor of the Department of Zoology of DHSK College welcoming the participants after which Dr Rajee Konwar, principal, DHSK College inaugurated the workshop with her inaugural speech.

Dr Partha J Das, programme head of the ‘Water, Climate and Hazard Programme’ of Aaranyak, provided the background and the context of the workshop in his presentation.

The technical session began with a presentation of Prof Chandan Mahanta of IIT-Guwahati. Prof Mahanta elaborated on various aspects of impacts of climate change on the water resources of the NE region and highlighted various results from contemporary research relevant to the North-east, especially the Upper Brahmaputra basin area.

Prof JN Sarma of the Department of Geology, Dibrugarh University spoke at length

on water resources of the NE region, focussing on the Brahmaputra basin. Prof SP Biswas, Department of Life Sciences, Dibrugarh University spoke on the impact of climate change on aquatic biodiversity of the eastern Brahmaputra basin, in Assam especially on the fish fauna and how people’s livelihoods were getting affected.

Rajeev Dutta, District Agriculture Officer of Dibrugarh demonstrated to the audience how the agriculture sector of the region had been affected by erratic rainfall and rising temperature concluding that climate change can also lead to gains in crop productivity on some occasions.

Dr Tulika Goswami Mahanta of Assam Medical College, Dibrugarh, illustrated the proliferation of various vector-borne diseases like dengue, malaria, black fever, as well as different water-borne diseases

as a result of possible impact of climate change.

The post-lunch session was dedicated to an open house discussion and interaction with the resource persons on various aspects of climate change impact on the water sector in general and people’s lives and livelihoods in particular.

Dr Arati B Barua, a US-based engineer and a columnist in Assamese newspapers, addressed the audience as special guest. She dwelt upon a range of issues such as irregular rainfall, increasing river sedimentation to impacts of large river dams which were becoming complicated due to climate change.

Dr Barua emphasized on reviving traditional ways of life to deal with environmental changes. The workshop ended with a vote of thanks by Dr Partha J Das and Sanchita Barua.

The purpose of the consultation was to get feed- back and suggestions on a research paper on **“Climate change adaptation in water management for food security: Recent developments in South Asia (in context of India)”** prepared jointly by Prof. Santosh Kumar, Head, Policy, Planning & Cross Cutting Issues Division, NIDM and Dr. Veena Khanduri, Executive Secretary, IWP.

The consultation was chaired by Prof. S.R.Hashim, former President, IWP. Dr. Veena Khanduri, Executive Secretary, IWP and APAN thematic node focal point welcomed the participants and briefed about the APAN first phase progress and aims and objectives of the second assignment. Prof. Santosh Kumar gave a lucid presentation of the research paper. The coverage of the paper included recent policy developments in relation to Climate Change Adaptation (CCA) in India with special reference to water; ensuring adequate water availability for agriculture and to meet food requirements; mitigation of food scarcity related socio-economic impacts; Community empowerment and awareness creation on CCA with special reference to vulnerable groups such as rain fed farmers. The paper gives a good review of the policy framework which includes the National Action Plan on Climate Change, National Water Policy-2012, National Forest Policy, National Environment Policy, etc.

Goal III: Reinforce Knowledge Sharing and Communications, Capacity Building

IWP facilitated and participated in India Water Week-2012 organized by Ministry of Water Resources, Government of India from 10-13th April, 2012 at Vigyan Bhawan, New Delhi



**Dr Ania Grobicki, Executive Secretary, GWP
addressing the gathering during IWRM Session**

Ministry of Water Resources, Govt. of India for the first time celebrated India Water Week (IWW) from 10th to 14th April, 2012 at Vigyan Bhawan, New Delhi under the main theme **“Water, Energy and Food Security : Call for Solutions”**. The event was inaugurated by Dr. Manmohan Singh, Hon’ble Prime Minister of India. More than 1000 experts/professionals from India and abroad participated in the IWW-2012. The main delegates from GWP side were Dr. Ania Grobicki, Executive Secretary, GWP, Mr. Chaminda Rajapakse, Senior Network Officer, GWP-South Asia and GWP-South East Asia. From IWP, Prof. S R Hashim, former President, IWP. Dr. Veena Khanduri, Executive

Secretary and a good number of present and former Board members of IWP participated in this mega event as speakers and co-speakers in various sessions. Mr. A D Mohile, former Board Member, India Water Partnership was the Chairman for the sub-theme **“Integrated Water Resources Management”** and Dr. Ania Grobicki, Executive Secretary, GWP was the Co-Chairman. Dr. Ania Grobicki presented her views on moving IWRM process which require prioritizing and sequencing actions to achieve short, medium and long term objectives. She also emphasized that GWP partnerships can support this process as neutral platforms for collaboration. She further said that GWP also has an opportunity to help bring diverse groups together to define common agendas and develop and implement plans for action as demonstrated by the GWP supported partnership for Africa’s Water Development.

Prof. S R Hashim as Co-Chairman for sub- theme **“Water for Food Security”** told the gathering that India’s per capita net availability of food grains has declined and food security for the country. He emphasized that Food security and rural livelihoods are intrinsically linked to water availability and use. Food security is determined by the options people have to secure access to own agricultural production and exchange opportunities. These opportunities are influenced by access to water. Many regions in India are already facing water deficits; any further decline in water resources will greatly impact food and livelihood security.

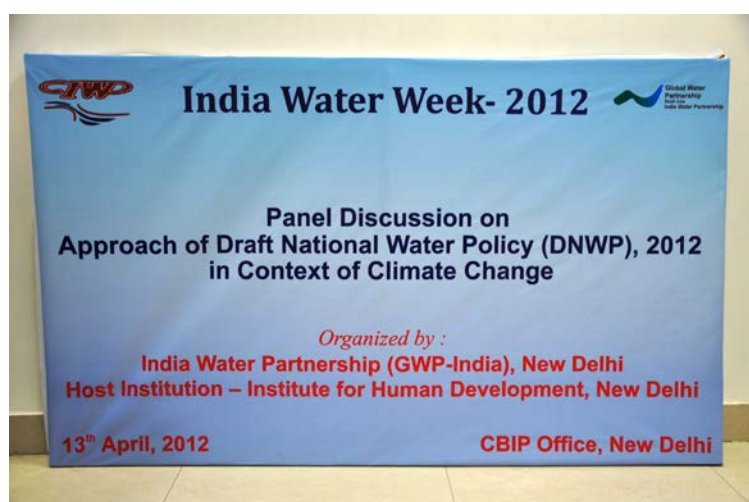


Prof. S R Hashim, former President, IWP and Co-Chairman of sub-theme “Water for Food Security”

Output/ Outcome

GWP and India Water Partnership were well represented in the India Water Week-2012. The GWP has generated a good relationship with Government of India and other participating organizations/institutions.

Panel Discussion on Approach of Draft National Water Policy (DNWP)-2012 in context of Climate Change” during India Water Week-2012



IWP organized a Panel Discussion on **“Approach of Draft National Water Policy-2012 in context of Climate Change”** during India Water Week-2012 at Central Board of Irrigation and Power, New Delhi on **13th April, 2012**. Seventy (70) experts/water professionals/ engineers from Central Water Commission, National Water Development Agency, Ministry of Water Resources, Government of India, representatives of Department of Water Resources of different States of India, Planning Commission, Govt. of India, IWP partners including board

members participated in the event.

From GWP side, Mr. Chaminda Rajapakse, Senior Network Officer, GWP-South Asia and GWP-South East Asia, Prof. S R Hashim, former President, IWP, Dr. A N Sharma, Vice-President, IWP, Dr. Prem S Vashishtha, Regional Council Member, GWP-South Asia, Dr. Veena Khanduri, Executive Secretary, IWP and present and former Board Members of IWP participated in the panel discussion. Dr. A N Sharma, welcomed the participants and highlighted the importance of the panel discussion. The Keynote address was delivered by Prof. S R Hashim who is also a member of the Drafting Committee of Draft National Water Policy, 2012. The concluding remarks and vote of thanks was given by Dr. Veena Khanduri.



Prof. S R Hashim, former President, IWP delivering the Keynote Address

Mr. Chaminda Rajapakse mentioned that the climate change is likely to increase variability of water resources affecting human health & livelihood of community. Therefore special impetus is required to enhance the capacity of community to meet the challenge at local level by adopting climate resilient technologies.

Dr. D M More, Former Director General R & D, Water Resources Deptt. and Technical Advisor, Water Resources Deptt. , Govt. of Maharashtra said that India's first water policy of 1987 was revised in 2002 and same is now again being revised by DNWP – 2012. Dr. More further said that the draft of the new policy is very comprehensive and has proposed some important changes, like; need to modify the Indian Easements Act 1882, contract for construction of projects to have inbuilt provision of maintenance of infrastructure and so on. The priorities cannot be same for all the basins/sub basins across the country. These hydraulic units vary widely with regard to water availability, climate, land, cropping pattern, industrial development and so on. This is a basin/sub basin specific issue and decision could be influenced by the views of the stakeholders'/users together.

Prof. Vijay Paranjpye criticized the view that increasing larger storages will be the panacea for decreasing the climate change impact. While increasing storages can respond to some impacts like increasing or changing locations of aridity they are not likely to answer many of the other impacts of climate change. In terms of institutional changes, it was pointed out that merely putting into place water user associations and such other societies can touch barely 15-20% of the irrigated areas where canal irrigation is possible and therefore it is not an adequate institutional measure for responding to climate change. Since most states have more than 60% of area devoid of canal irrigation schemes, a totally different institutional system will be required, e.g. association of riverine fishing communities which looks at the impact of disappearing water front's or natural riverine lakes. Similarly, associations of farmers in the rain-fed agricultural areas would need to be given technical support for responding to longer dry spells.

Output/ Outcome

Ministry of Water Resources, Govt. of India has acknowledged that the side event helped government of India towards better participation and find a good echo amongst the policy advocacy groups especially for finalization of Draft National Water Policy-2012. IWP submitted a brief note to the Ministry of Water Resources on completion of the event.

Training Program on Building Community Capacities on IWRM – 11th & 12th July, 2012 at New Delhi

IWP supported Development Alternatives (DA), New Delhi, one of its partner in the north zone to undertake a small project **“Building Community Capacities on IWRM”** in urban slum areas of South and South-West Districts of New Delhi.



Interactive Session with the Community Mobilisers

This project was aimed to develop the capacity and capability within a community to generate and sustain good health practices with respect to Integrated Water Resource Management (IWRM) in a participatory manner. There is a special emphasis on Household Water Treatment and Safe Storage (HWTS) systems to ensure water security for the communities. For this purpose, a manual was developed by DA to impart training to youths and women of the urban slums (here called as Community Mobilisers) of South and South West districts of Delhi.

A two day training program was organized on 11th & 12th July, 2012 by DA at its Headquarters in New Delhi to build the capacities of the community mobilisers on Household

Water Treatment and Safe Storage (HWTS), sanitation and hygiene. In the training program a session on communication was designed in which the mobilisers were trained on effective ways of communicating with the community.

In each training program, 17-20 community mobilisers were trained and interactive medium such as group discussion, power point presentation, movies and live demonstration were used. The language of the training program was both English & Hindi.

The training was divided into three sessions. The first session focused on **need and importance of safe drinking water, impact of drinking contaminated water on health and slight information on water testing**. The second session was an **interactive session to know the present understanding level about household water treatment methods** and the third on **methods of safe water storage, need and importance of sanitation and hand washing**.

At the end of the training program certificates were distributed to the community mobilisers and also an aqua check vial was given to them so that they can check the quality of water they are consuming.

Output/ Outcome: *The Community Mobilizers trained by Development Alternatives disseminated the message of using safe drinking water, methods of treating the household water and safe storage of water among the community.*

Water Quality Monitoring under World Water Monitoring Challenge (WWMC) Program

IWP with the support of its partners and GWP network partners has undertaken water quality monitoring exercise of the selected water bodies under World Water Monitoring Challenge (WWMC) Program all over the country. For the purpose, IWP has entered into strategic partnership with Water Environment Federation and International Water Association. 15 water testing kits received from the Development Program Officer, WWMC, free of cost were sent to IWP/GWP network partners who were involved in taking up this exercise. Brief details of report received from one of the IWP network partner; namely Indian Social Welfare Society (ISWS), Gondia, Maharashtra is given below:



Water Quality Testing of a pond in Village Lahitola, Block & District, Gondia (Maharashtra)

The team of ISWS undertook monitoring of 61 water sources in 13 villages of Gondia district, Maharashtra. The monitoring team observed that water in the sources of 8 villages was not good for drinking purpose and also not good for other purposes as turbidity was found in ponds and bodies (small pond formed due to excavation of soil). During interaction with the villagers, the team observed that Sarpanch of village, office bearers of the Gram Panchayat and other officers did not know about the bad quality of water or even if they knew, they were ignoring the facts.

The monitoring team told the villagers that, if bleaching powder or suitable medicine is added in contaminated source of water once

or twice in a month, the water quality will improve. The team found that villagers of Dasgaon-khurd village were suffering from diarrhea due to consumption of contaminated water. Sarpanch of the village requested the team to monitor all the drinking sources in the village. After test, the water sample was found to be contaminated. PH was high and dissolve oxygen quantity was less. Information about contaminated water was given to the villagers by the monitoring team. Sarpanch assured that he will take action after discussion with other members of the Gram Panchayat. The monitoring team also suggested the villagers to always use boiled water for drinking which is contamination free.

Water Quality Monitoring by DHAN Vayalagam Tank Foundation, Madurai under World Water Monitoring Day Program-2012

Under World Water Monitoring Day Program-2012, DHAN Foundation, the Coordinating Agency of South Zone Water Partnership undertook source water quality monitoring programme in three states of South India namely; Tamil Nadu, Andhra Pradesh and Karnataka. For this purpose, Dhan Foundation received test kits from IWP to test the water quality in 100 water bodies.

Upon receiving the test kits, two Orientation Programmes at Kottampatti and Madurai were conducted for the Dhan Foundation Executives working in the field. In the orientation programme, the process to be carried out in the water quality monitoring in villages was explained and tests to be conducted were demonstrated. It was also explained to them how to communicate the results to the community. Thereafter source water monitoring in six schools in Kottampatti, Manamadurai and Mudukulathur blocks in Tamil Nadu was undertaken. The children in the schools were given orientation about the water issues, importance of water quality, sources of contamination, causes of pollution of water bodies, importance of monitoring water resources, how to use the micro invertebrates in water as an indicator of water quality, water pollution and its implication on the environment and public health, students' role in protecting their water sources followed by the testing the water quality. A small film on the water crisis and saving the water for caring the future was screened. The participation of the children in this process was overwhelming.



Water Quality Testing by students of Melapasalai village, Manamadurai block, Sivagangai District, Tamil Nadu

Out of 93 results received, 45 tests were conducted 10 blocks of six districts in Tamil Nadu, 34 tests in six blocks of two districts in Andhra Pradesh and 15 tests in one district of Karnataka state. The tests were conducted in different water sources such as oorani, irrigation tanks, hand pump, bore wells and open wells. Tests for PH (acidity), Turbidity (clarity), Dissolved oxygen (DO), and Temperature were conducted as an indicator of water health.

In total, 25 drinking water oorani (drinking water ponds) 34 irrigation tanks which are used for bathing and irrigation, and 18 open wells, 11 bore wells, 5 hand pumps were tested in three states. These tests were carried out in the presence of village leaders, women, members of tank farmers associations, youth and school children. In total about 1500 participants participated in this process.

Output/ Outcome

Through this program, the villagers and the school children were made aware about the water quality in their area and advised to use clean water for good health & hygiene.

(iii) Celebration of World Water Day-2012 at Greater Noida and Meerut City, Uttar Pradesh

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(iv) Celebration of World Water Day at Meerut, Uttar Pradesh



Flag Hosting Ceremony during World Water Day-2012 at Meerut, Uttar Pradesh

IWP with the support of partner NGO; Neer Foundation (Meerut) organized one more event on the occasion of World Water Day at Meerut from 22nd March, 2012 to 24th March, 2012.

On March 22nd, a walk for water was organized in which 200 school children, social workers and community members participated. The walk started from Chaudhary Charan Singh Park situated in the heart of the city, crossed District Magistrate office and ended back at Chaudhary Charan Singh park. Dr. Veena Khanduri, Executive Secretary, IWP showed green flag to the march.

Dr. Veena Khanduri, informed the children that this year's theme of World Water Day is '**Water and Food Security**' because we all know the fact that food availability is linked with water. During the walk, all students carried banners and posters with water conservation and water quality related slogans written on it. The students while marching shouted messages on different ways to conserve water and distributed informative pamphlets. About 10 schools participated in the event.

(v) Celebration of World Water Day at Indore, Madhya Pradesh

GWP-India's Central Zonal Water Partnership Coordinating Agency Navadeep, organized World Water Day 2012, in Indore city, Madhya Pradesh, to integrate school education with water saving, health, hygiene and sanitation awareness. The programme which was first of its kind has not only generated forward thinking of school children on water conservation, hygiene and sanitation but also motivated school teachers to provide information to students as to how habits of using safe water can be improved among children living in Slum areas.

Output/ Outcome

Around 800 persons (both men and women) including students, teachers, Women Self-Help Groups, Anganwadi workers, youths, PRI members etc. came to know about the importance of World Water Day to conserve water for the future.

Celebration of World Water Day-2013 by IWP

IWP celebrated the World Water Day-2013 in different parts of the country with the support of its network partners. Brief details of the same are given below.

(i) World Water Day-2013 Celebration in Jamui District, Bihar

Society for Watershed and Rural Development (SWARD), with the support of IWP celebrated the World Water Day in Jamui district of Bihar. On this occasion, an awareness rally was organized at Fariyatadih Village Panchayat of Chakai block. Participants of rally comprised mainly students of different schools of villages namely Madhupur, Kailidih, Meghni, Sundartanr along with volunteers of different Farmers Clubs of villages as well as women SHGs. 500 participants joined the awareness rally.



(ii) World Water Day-2013 Celebration in Warangal District, Andhra Pradesh



To mark the United Nation's World Water Day, the IWP partner Safe Water Network India along with MARI, a local NGO organized the World Water Day-2013 on 25th March, 2013 at village Jookal, 55 km from Warangal district, Andhra Pradesh. The main focus on the World Water Day was to discuss how government, NGOs and the private sector organizations can work together to overcome the obstacles to local ownership and management of decentralized water systems. This event was

supported by the India Water Partnership (India Water Partnership), a society managing the country programs under the support of Global Water Partnership. Over 150 people participated in the event from 23 villages of Warangal district.

(iii) World Water Day-2013 Celebration at Dhenkanal District, Orissa

Arun Institute of Rural Affairs with the support of IWP organized World Water Day on 22nd March, 2013 at Karamul High School in Gondia block of Dhenkanal district, Orissa on 22nd March-2013. More than 200 students both boys & girls, teachers and SHG members participated and marched the streets with placards on their hands indicating 'save water', 'save our planet' with slogans in their attempt to educate & aware the community members on use of precious water. A meeting was also conducted to make aware the people on importance of the day.

(iv) World Water-2013 Celebration in Andhra Pradesh and Karnataka

IWP South Zone Water Partnership Coordinating Agency, DHAN Foundation celebrated World Water Day at Theni district, Andhra Pradesh. The activities undertaken were organizing campaigns, voluntary labour contribution (Shramdan), sensitizing own staff on the importance of water as a common good and necessity as well as responsibility of each one of them to protect them from getting extinct and/or deteriorating.

(v) Celebration of World Water Day-2013 at New Delhi

AROH Foundation, the Host Institution of IWP celebrated World Water Day on 22nd March, 2013 at TERI University, New Delhi and Uttar Pradesh. Following are the salient features of the celebration:

a) Slogan writing contest at TERI University

Students from the TERI University and other schools like Amity and Delhi Public School participated in the competition. Cash prizes were awarded to the best submissions and certificate of participation were given to all. A slogan writing contest, organized on Facebook, two weeks prior to water day was also showcased at this event. Top 10 entries with the maximum "likes" on Facebook were given special recognition. This online competition created a lot of excitement among students and generated a lot of buzz for the event.

b) Water Awareness Rally at Lalitpur, Bundelkhand

Water awareness rally was organized at the AROH Foundation District Centre, Lalitpur on 22 March, 2013. Beneficiaries of the AROH-Aajeevika project gathered at the famous Tubain Maidan at 8 AM sharp with relevant materials related to the awareness program. Mr K.C. Swarnkar, Chief Development Officer (CDO) of Lalitpur was the Chief Guest and Mr. S N Tiwari, District Development Officer (DDO) was the Guest of Honour.



(vi) Celebration of World Water Day-2013 at Mathanpala village, Titlagada Block of Bolangir District, Orissa



Udyama, a network partner of IWP organized World Water Day at Mathanpala village, Titlagada Block of Bolangir District, Orissa on 22nd March, 2013. To mark this occasion, a small rally moved around the village with substantial numbers of women SHG members along with youths and children. The rally was started from Kantapada to Mathanpala basthi (hamlet) with slogans and singing local songs followed by cleaning of few villages. The children were also taught about the water quality testing on this occasion.

Goal IV: Build a More Effective Network

Formation of New Area Water Partnerships (AWPs) in India

In line with GWP-South Asia Strategy 2009-13, India Water Partnership in its Work Plan-2012 proposed formation of new AWP's at different locations in India. For this, India Water Partnership selected three places in three different States; Mandsaur City in Madhya Pradesh, Kanpur City in Uttar Pradesh and Middle Wainganga river sub- basin in Maharashtra. The progress on formation of these three AWP's is given below:

(i) Formation of Shivana Area Water Partnership (AWP) in Madsaur District, Madhya Pradesh



Press Release dated 19.6.2012 by Malwa Alankaran
(Local Daily Newspaper)

Originating from a place known as Shavan-Salamgarh in Rajasthan, the east flowing river Shivana is a tributary of river Chambal of Yamuna river system. Considered as lifeline of Mandsaur district of Madhya Pradesh, it requires projects and programmes to rejuvenate it to fulfill developmental needs of the area which has, on one hand, prosperous agricultural land with major crops grown like wheat, sorghum, corn, tuwar, groundnut etc. and fast growing industrial belt, on the other; facing acute water shortage mainly due to indiscriminate extraction of ground water and non-implementation of projects to conserve river water. In summer, people of the Mandsaur district face acute shortage of drinking water. Apart from the water shortage, the Shivana river has suffered with severe pollution in the past.

Keeping in view the water scarcity and plight of the people for having safe water for drinking and water for agriculture, India

Water Partnership entrusted the task of formation of an Area Water Partnership to its partner NGO Navadeep, a Voluntary Organization and Coordinating agency of Central Zone Water Partnership to form one AWP in the State of Madhya Pradesh.

With the concerted efforts of IWP and NAVADEEP, an AWP was formed on 18th June, 2012 which was set to function in Mandsaur City on the north western tip of Madhya Pradesh in the name of "Shivana Area Water Partnership" with its Headquarters located at 8, Housing Colony, Naii Aabaadi Mandsaur District, Madhya Pradesh State.

The inaugural function of Shivana Area Water Partnership was organized in the conference room of Municipal Council of Mandsaur on 18th June 2012. Addressing as Chief Guest on the occasion, Municipal Council, President Mrs. Kusum Gupta told that Shivana River is lifeline of Mandsaur. City gets its drinking water supply from a reservoir of one of the stop dams on it. Every summer, water level reduces in reservoir creating water crisis. Hence increasing its capacity or finding a new source for supply is necessary. She expressed concern that river pollution, over the years, has been on increase.

Mrs. Gupta lauded the formation of Shivana AWP and hoped that its work, particularly the proposed integrated long term work plan will not only help solve drinking water problem of urban area but also provide relief to agriculture and industrial sectors thus paving the way for faster overall development of the district. She thanked IWP to have selected Mandsaur for forming an AWP.

(ii) Formation of an Area Water Partnership for Prevention of Pollution to River Ganges in Jajmau Area (Municipal Zone-2) of Kanpur City (Uttar Pradesh)

Industrial effluents and sewage water are being diverted to the river Ganga by the cities and towns through which it passes. Nestled on the banks of Ganga, Kanpur, a highly urbanized and industrial city is polluting it most. Apart from the Government of India's recently constituted National Ganga River Basin

Authority, civil societies and NGOs too are putting rigorous efforts to make Ganga pollution free. Though the city has several big and small industries, the leather industries located in Jajmau, the oldest part of the city add to the problem of pollution in the river to a large extent.

Keeping the above issues in mind, India Water Partnership during 2012 consulted one of its network partner; Society for Promotion of Wastelands Development (SPWD), New Delhi to form an Area Water Partnership in the Jajmau area of Kanpur City, Uttar Pradesh to prevent the river Ganga from urban and industrial pollution, as the SPWD is already working for prevention of pollution in Ganga river.

This initiative was taken to facilitate development of a model of citizen participation and partnership with Urban Local government, local industries, Universities and State government institutions at the Municipal ward level and Zonal level (Area) to demonstrate an effective strategy to address the Ganga pollution issue under the overall framework of National Ganga River Basin Area Plan (NGRBAP). The South Eastern Region of the city lying along the South bank of river Ganges has been selected for this work (Zone 2, ward 10 of the Kanpur Nagar Nigam (KNN)) called Jajmau area, which is famous for being home to the tannery and leather industry in Kanpur. The overall objective of this Area Water Partnership is to develop a joint stakeholder forum in the Jajmau area to discuss the pollution issues and possible strategies and actions to find solutions.

With the efforts of SPWD, the residents of these wards have agreed to form ward level citizen's committees. The ward level committees will prepare ward level sanitation plans and then make advocacy with Kanpur Nagar Nigam to include these into the City Sanitation Plan for implementation.

The objectives of the Jajmau AWP is to (i) To develop a Joint Stakeholder Forum in the Zone -2 of KNN-Jajmau Area located in South East of the city, in the immediate vicinity of Ganga River to discuss the pollution issues and possible strategies and actions to find solutions; and (ii) To develop a plan for prevention of pollution to river Ganges arising due to industrial and domestic activities in the area.

(iii) Formation of Area Water Partnership in Middle Wainganga river basin, Maharashtra State

Keeping in view the water scarcity and safe drinking water problem for the people living in an around the Wainganga river basin, IWP thought of forming an Area Water Partnership in Wainganga river basin in Maharashtra State to resolve these issues and assigned this task to West Zone Water Partnership Coordinating Agency, Gomukh Environmental Trust for Sustainable Development (Gomukh Trust). To start with, a meeting was held by Gomukh Trust on 17th June 2012 for the stakeholders of the sub-basins of Bawanthadi, Sur, Kanhan, Maru, Andhari, Kathani, Gadhvi, Khobragadi, and Bodalkasa. Representatives from fifteen organizations attended the meeting. During the meeting apart from the other issues discussed, it was decided to name this AWP as **"Middle Wainganga Area Water Partnership"**. The area of this AWP would be as per the demarcation made by the Maharashtra Water and Irrigation Commission, 1999.

Accordingly, a working group of three members was appointed to prepare a Memorandum of Understanding and Constitution of the Middle Wainganga AWP as per the general principles laid down by the Global Water Partnership. It is expected that the MOU and Constitution will be finalized by July, 2012 end and the Partnership can then be formally registered with the Charity Commissioner.

Strengthening of Peoples' Area Water Partnership (PAWP), Dhenkanal District, Odisha by Arun Institute of Rural Affairs (AIRA) supported by India Water Partnership (IWP)

The Area Water Partnership which was formed in June 2010 in Dhenkanal District of Odisha with the initiative of IWP and support of its network partner, AIRA; was registered as a trust in February 2012 with the name as **"Peoples' Area Water Partnership" (PAWP)**.

With a view to strengthen PAWP, India Water Partnership with the support of its network partner, Arun Institute of Rural Affairs organized a Consultation Workshop on “**Water and Livelihood Promotion**” at Public Works Department, Inspection Bungalow, Khatuahata, Dhenkanal district, Orissa on 29th March, 2012. This consultation workshop was attended by PAWP members, Local Area Water Partnership (LAWP) members, farmers, social workers, senior citizens, PRI members, Pani Panchayat members, Women Self Help Groups and community leaders of Kamakhya Nagar region, Dhenkanal district, Orissa.

In the workshop, Mr. G. P. Nayak, Ex-Banker & Social Activist, Mr. P. K. Sahoo, Ex-Public Prosecutor & a senior farmer and VDC President and Mr. A. Rath, Development Researcher & PAWP Trustee were also present. Mr. A Rath explained the participants about strengthening of PAWP to enable it to systematically work on water, livelihood and allied activities in the villages of Kamakhya Nagar region. The major issues discussed in the workshop were:

- Formation of village-wise Livelihood and Natural Resource Promotion Committee;
- Re-structuring of Pani Panchayats; and,
- Collaboration of PAWP with other local level/district level Livelihood and Natural Resource Promotion Groups

The experience of canal renovation works on Indrajit Micro Irrigation Project was shared with the participants, wherein LAWP interventions forced the concerned Engineers to sit with the PAWP members and plan for alternative but useful renovation components of the project. After giving Memorandum to the Executive Engineer (Minor Irrigation), Indrajit Project, the District Head of the Minor Irrigation System re-planned the works with the villagers of 3 LAWPs (Khuntabati, Khatuahata and Salpada) for executing the same.

Now the LAWP and PAWP are planning to take up the issue of defunct state of water harvesting structures on the Indrajit Nallah due to which the villagers of Kotagara and Kamagara are facing loss of crop and their livelihood options.

Output/ Outcome

The efforts of LAWP and PAWP has shown that the real concern and lobbying with the State Govt. officials produced a real action with corrective measures for promotion of livelihood options in the villages falling under PAWP.

Preparation of the Draft 20 Years Perspective Plan of Water Management for Central Zone by Central India Zonal Water Partnership (CIZWP)

For preparation of Draft 20 Years Perspective Plan for water management in central zone (Madhya Pradesh & Chhattisgarh States), the data collection was done and discussions were held with various stakeholders and experts by the Coordinator of Central Zone India Water Partnership. The Coordinator also had a meeting with Mr. Manoj Shrivastava, I.A.S., Principal Secretary to the Chief Minister of Madhya Pradesh. During the meeting, an overview of GWP, IWP and Central India Zonal Water Partnership (CIZWP) was given to Mr. Shrivastava. He was also informed about the preparation of the draft perspective plan. In the meeting, Mr. Shrivastava emphasized that the State government is most important stakeholder in water sector management as also it is the main source of authentic data and facts. Hence cooperation of the State Government is of prime importance in the aforesaid project. Mr. Ravindra Shukla, Chairperson of Navadeep Voluntary Organization and Coordinator of the CIZWP requested Mr. Shrivastava for his help in data collection from all the water related departments of the state government. Mr. Shrivastava appreciated the initiative taken by IWP and CIZWP. Mr. Shrivastava hoped that the CIZWP would provide a suitable forum for meaningful dialogues pertaining to planning

processes for speedy development of the state. He was of the view that if prepared well, the Draft Perspective Plan document can provide some guiding features for planners and managers of water sector agencies and departments of the State Government.

Mr. Shukla apprised Mr. Srivastava that CIZWP had earlier prepared a 20 years' perspective plan document of water management for Kshipra river sub basin in 2001-2002. Again in 2010-2011, Asian Development Bank (India office) found it useful while preparing their development study report of Kshipra river sub basin. Mr. Shukla presented a copy of the 20 years' perspective plan document of water management in Kshipra river basin to Mr. Srivastava for his perusal.

Output/Outcome: *The 20 Years Perspective Plan for Central Zone would provide some guiding features for planners and managers of water sector agencies and concerned departments of the State Governments of Madhya Pradesh and Chhattisgarh.*

Board of Governors Meeting and Annual General Body Meeting of India Water Partnership

India Water Partnership organized its 20th Board of Governors' Meeting (BoG) and 10th Annual General Body Meeting (AGM) on 28th December, 2012 at New Delhi. Both the meetings were chaired by Prof. S R Hashim, former President, IWP. In the meetings, the activities undertaken by IWP from Q-1 to Q-4 were presented before the members along with the Expenditure Report from Q-1 to Q-3. The Work Plan and Budget for the year 2013 was also placed before the members for discussions. The members were also informed about the new project on "Water and Climate Change Resilience Program" supported by the DFID to be taken up by the respective Country Water Partnerships of the GWP-South Asia w.e.f 2013.

The major decision taken in the both meetings was approval of name of Dr. R K Gupta, Chairman-cum-Managing Director, WAPCOS Ltd. as new President of IWP w.e.f January, 2013 and hosting of IWP by the WAPCOS Ltd. from the same date. Before the conduct of BoG and AGM, a Search Committee was constituted comprising of Prof. Y K Alagh, former Minister of Power, Govt. of India as Chairman and Mr. M Gopalakrishnan, former Secretary General, International Commission on Irrigation & Drainage and Prof. Indira Hirway, Director, Centre for Development Alternatives as members. The Search Committee in its second meeting held at New Delhi on 24th December, 2012 recommended the name of Dr. R K Gupta as new President of IWP and the recommendation of the Search Committee was placed before the Board of Governors which was duly approved and the same was ratified by the General Body members.

Output/Outcome : *1. The Board of Governors of India Water Partnership was apprised of the works/activities taken up by India Water Partnership during 2012 .*

2. New President of India Water Partnership formally appointed.

IWP participation in meetings/seminars/conferences/workshops

a. Consultation meeting on "Household Treatment System and Safe Storage: Promotion and Scale-up

India Water Partnership network partner Development Alternatives (DA), New Delhi organized a consultation meeting on "**Household Treatment System and Safe Storage: Promotion and Scale-up**" on 16th March, 2012 at its Headquarter at New Delhi. Dr. Veena Khanduri, Executive Secretary, IWP participated in the workshop. During the workshop, participants were briefed about the project details. The pilot project is being executed in 15 slums of Delhi covering around 10,000 households with a vision to enable access to safe drinking water for all, through Solar Disinfection (SODIS) technology.

b. Panel discussion on “Future Challenges in Integrated Water Resources Management

Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated as a Panelist in a high level panel discussion on **“Future Challenges in Integrated Water Resources Management”** on 25th April, 2012 at Pragati Maidan, New Delhi during Aquatech India 2012 (International Conference & Exhibition). Aquatech India is being supported by International Water Association (IWA), India Water Works Association (IWWA), Ministry of Urban Development, Govt. of India and Water Quality Association (WQA).

Dr. Veena Khanduri explained in brief about the India Water Partnership’s current projects in context of IWRM in three States, namely; Maharashtra, Orissa and Rajasthan. It was pointed out that Maharashtra State had made some fundamental changes in its water policy and passed critical laws and framework. She also told that India Water Partnership facilitated Stakeholders Consultations for initiating participatory negotiated approach for planning process. In Rajasthan, the India Water Partnership with the support of its partners reviewed the New State Water Policy (NSWP) in context of IWRM. The partners reviewed the policy and recommended that as per policy the definition and understanding of IWRM is very context specific and needs to consider local realities as per the requirements of the communities. Accordingly, India Water Partnership in 2010 and 2011 organized several workshops/meetings for the capacity building of Water User Groups, NGOs, Engineers, and Administrative Officers who would be involved in IWRM planning.

c. Review of Organization of India Water Week-2012

Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in a meeting convened by Additional Secretary, Ministry of Water Resources, Govt. of India on 21st June, 2012 at the Ministry’s Conference Room. The meeting was organized to review the India Water Week-2012 which was organized from 10th to 14th April, 2012. Extract of the Minutes of this Meeting is given below:

Dr. Veena Khanduri, Executive Secretary, India Water Partnership expressed the opinion that the event should be made more interdisciplinary by inclusion of all agencies concerned with the development of use of water. To bring the international participation at a desired level, the international organizations should be approached immediately for India Water Week-2013. The technical sessions need to be decided well in time and coordinated in a better way for improvement in the quality of papers and conclusions drawn on the basis of the discussions. The organization of India Water Week-2012 has already created much awareness about the event in the international community. She offered her help for a better coordination through Global Water Partnership of which she is a member.

Output/Outcome

1. Rapport/contract established with the various agencies/institutions/organizations and GWP and India Water Partnership’s recent initiatives were disseminated to them.
2. Dr. Veena Khanduri, Executive Secretary, India Water Partnership has been again selected by the Ministry of Water Resources, Govt. of India as member of Organizing Committee and Technical Committee of India Water Week-2013.

d. Second Meeting of Organizing Committee of India Water Week-2013

The second meeting of the Organizing Committee of India Water Week-2013 was held on 27th July, 2012 at New Delhi under the Chairmanship of Additional Secretary, Ministry of Water Resources who is also the Chairman of the Committee. As a member of this Committee, Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in the meeting. During the meeting, **different technical sessions were discussed and design of the first information bulletin of India Water Week-2013 was**

presented for suggestions of the members. In the meeting various **sub-groups were also formed.** Dr. Veena Khanduri is also one of the members of sub-group constituted for dealing with sub-themes/topics on **Use and Efficiency Management of Water Resources in Agriculture and Irrigation sectors.**

e. Consulting Partners Meeting of Global Water Partnership (2012)

Mr. Gurunathan, representative of India Water Partnership from Dhan Foundation, Madurai, Tamil Nadu was nominated by India Water Partnership to attend the Global Water Partnership (GWP) Consulting Partners (CP) Meeting of 2012 which was organized on August 26, 2012 at Stockholm, Sweden. Mr. Gurunathan has submitted his back to office note to President, IWP.

f. Third meeting of Organizing Committee for India Water Week-2013

The 3rd meeting of the Organizing Committee of the India Water Week-2013 was attended by Dr. Veena Khanduri, Executive Secretary on 16th October at the Ministry of Water Resources. During this meeting, follow up action on the important decisions taken during the 2nd meeting of organizing committee were discussed in details. The first Information Bulletin of IWW-2013 finalized for the website as well as for circulation was placed for Committee's approval. It was submitted by the Organizing Secretary, Mr. A B Pandya that the Technical Committee has to finalize the names of the Chairman, Co Chairman & key note Speakers for various technical sessions. Dr. Veena suggested that India Water Partnership would take up the issue and finalize the names of speakers from GWP on the relevant topics in consultation with Organizers for the topic Mandatory Water Audit for Domestic and Industrial Water supply. Dr. Veena indicated that the First Information Bulletin would be uploaded on the IWP web site and the information of IWW-2013 would be disseminated to all IWP, GWP and GWP – South Asia network members.

g. Meeting with Ministry of Water Resources, Govt. of India regarding GWP Steering Committee meeting

Dr. Veena Khanduri, Executive Secretary, India Water Partnership held meeting with Mr. Pradeep Kumar, Commissioner (PR) and Mr. Vijay Kumar, Economic Adviser, Ministry of Water Resources, Govt. of India on 11th October, 2012 to discuss about the various arrangements for GWP Steering Committee meeting scheduled to be held at New Delhi from 27th to 30th November, 2012.

h. Meeting of Organizing Committee for India Water Week-2013

Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in the meeting of the Organizing Committee of India Water Week-2013 (IWW-2013) which was held on 7th November, 2012 at Central Water Commission (CWC), Govt. of India. The meeting was organized under the Chairmanship of Member (D&R), CWC & Director General, National Water Development Agency (NWDA). In the meeting the present status of various preparatory works for IWW-2013 was discussed and reviewed.

i. National Consultation on Household Water Treatment and Safe Storage (HWTS) on 7th November, 2012 at New Delhi

Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in a one day National Consultation on Household Water Treatment and Safe Storage (HWTS) organized by India Water Partnership partner organization; Development Alternatives on 7th November, 2012 at New Delhi. The National consultation was inaugurated by Dr. Nandini Sharma, Prof. Community Medicine, Maulana Azad Medical College. In the consultation, a panel discussion on Government Policies in context of

HWTS-Existing and Potential of Integration was organized. The panel discussion was followed by policy note presentation by the key experts.

j. Participation in Water Conservation Day-2012

Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in a function organized by Ministry of Water Resources, Government of India on 19th November, 2012 to celebrate **“Water Conservation Day”**. It was intended to create awareness regarding concern about depleting water resources & its vision for the water underlining the Ministry’s commitment to be an active contributor to the sustainability of this very important natural resource.

Shri Harish Rawat, Union Minister of Water Resources, Govt. of India presided over the function and Shri Rajendra Singh, the Raman Magsaysay Award Winner 2001 and President of ‘Tarun Bharat Sangh’ was the guest speaker.

Speaking on the occasion Shri Harish Rawat emphasized on the importance of water conservation as the need of the hour in view of the limited resources and growing demand for domestic, industrial and agricultural uses. He said we have to make concerted efforts to save water for our future generations. He also cautioned on the instances of water pollution emerging out as a potential health menace. Shri Rawat also advocated for the cleaning of rivers and said that adequate attention has been given to this issue in the National River policy.

k. Meeting with Ministry of Water Resources, Govt. of India and WAPCOS Ltd. in connection with GWP Steering Committee (SC) Meeting

Dr. Veena Khanduri, Executive Secretary, India Water Partnership held several rounds of meetings during first three weeks of November, 2012 with Mr. Vijay Kumar, Economic Advisor, Ministry of Water Resources, Govt. of India, Mr. Ram Jogesh, Deputy Secretary, Ministry of Water Resources, Govt. of India, Mr. R K Gupta, Chairman & Managing Director, WAPCOS and Mr. M M Verma, General Manager (Projects), WAPCOS Ltd. for organizing the GWP SC meeting at Vigyan Bhavan, Annexe New Delhi from 27th to 30th November, 2012.

l. India Water Week-2013 – Curtain Raiser Function organized on 8th February, 2013

Ministry of Water Resources, Government of India organized a **curtain raiser function** for India Water Week-2013 on 8th February, 2013 at Central Soil Research Institute, New Delhi which was chaired by Mr. Harish Rawat, Honorable Minister of Water Resources, Govt. of India. The function was attended by Dr. Veena Khanduri, Executive Secretary, IWP. In the function, the Minister released the second bulletin of India Water Week-2013. The name of Global Water Partnership is appearing as one of the “Knowledge Partner” along with the other Ministries/Institutions of India. There is a mention on first page of the bulletin that for organizing **“Regional Day by Global Water Partnership – South Asia”** on **“Improved Efficiency for Increased Resilience to Climate Change : an Integrated Water Resources Management Perspective”** During the function, Mr. A B Pandya, Organizing Secretary, India Water Week-2013 acknowledged the support of GWP as a Knowledge Partner.

m. Conference on “Sustainable Safe Drinking Water in India” organized on 20th February, 2013

PHD Chamber of Commerce and Industry organized a conference on **“Sustainable Safe Drinking Water in India”** 20th February, 2013 at PHD House, New Delhi. Mr. Harish Rawat, Honorable Minister of Water Resources, Govt. of India inaugurated the conference. Dr. Veena Khanduri, Executive Secretary and Ms. Kalpakam Yechury, Board member, IWP and Alternate R C Member attended this conference. Dr. Khanduri while sharing her views and experience with the participants, said that agro-climatic regions

such as semi-arid (Bundelkhand, Rajasthan, Gujarat and Maharashtra) are particularly vulnerable to water stress due to their total dependence on natural resources for livelihood survival. In such regions, holistic approach needed to be built around community based water management in terms of source creation and resource management both in terms of quality and quantity.

n. Fourth Meeting of Technical Committee of India Water Week-2013 organized on 21st February, 2013 at Central Water Commission, New Delhi

The 4th meeting of Technical Committee of India Water Week-2013 was held on 21st February, 2013 at Central Water Commission, New Delhi. Executive Secretary, IWP attended the meeting. In the meeting, the members were informed that Chair/Co-Chair Persons for Seminars Sessions, Chair/Panelists/Experts for Panel Discussions and Team of Experts for Brainstorming Sessions have been identified. Brief notes in respect of all Seminars/Panel Discussions/ Brainstorming Sessions have been finalized and Review Team of Experts for screening synopses/ papers has been formed. In the meeting, Second Information Bulletin on India Water Week-2013 was circulated amongst the members. It was proposed to organize a gender session which will be coordinated IWP and GWP South Asia. The members were informed that proposals have been received from GWP, which have been discussed earlier and the structure of the regional day as proposed by them is included in the programme.

o. National Round Table on Water Use Efficiency organized by Indian Environment Law Offices (IELO) at New Delhi on 27th February, 2013

A National Round Table on Water Use Efficiency was organized by IELO at New Delhi on 27th February, 2013. Dr. Veena Khanduri, Executive Secretary, IWP and Dr. K Vijaya Lakshmi, R C Member, India Water Partnership participated. The National Round Table mainly focused on “**Model National Framework on Water Use Efficiency**” for the National Bureau with regard to industry, commercial, domestic urban sectors. IELO presented the project background and proposed framework. IELO suggested that the legal options available to the Government of India is to set up the proposed institutional structure in the form of National Bureau of Water Use Efficiency (NCWUE) i.e, enacting National Water Conservation and Water Use Efficiency Framework Legislation ; and creation of NBWUE as an authority under Environment Protection Act, 1986.

Shri N S Samant, Joint Secretary, Ministry of Water Resources, Govt. of India said that IELO has come up with a framework based on around 15 consultations held across various parts of India. Shri Samant emphasized that we need to sensitize and educate people about water use efficiency. Shri S Shekhar, Addl. Secretary, Ministry of Environment & Forests, Govt. of India citing the example of urban conflict said that water utilities which supply water to urban areas are reporting loss of water due to leakages and distribution losses. Hence a regulatory framework for efficient utilization of water resources is required. The round table was attended by around 50 institutions.

p. Participation in Core Group Meeting of India Water Week-2013

The Core Group Meeting of India Water Week-2013 was held on 4th March, 2013 at Ministry of Water Resources, Govt. of India under the Chairmanship of Special Secretary, Ministry of Water Resources. Dr Veena Khanduri, Executive Secretary, India Water Partnership participated in the meeting as a member of core group. The other core group members present were Joint Secretary (Administration), Ministry of Water Resources, Mr. M .E Haque, Member (Retd); Central Water Commission, Mr. Praveen K Mittal, Joint Director, FICCI and Mr. A B Pandya, Organizing Secretary, IWW-2013 & Director General, NWDA. In the meeting matters /issues were discussed in connection with organizing the India Water Week-2013 and it was decided that Dr. Mihir Shah, Member Planning Commission may be requested for Keynote Address for plenary Session and Hon,able Minister of Water Resources may be requested to preside over this session.

r. GWP South Asia and Southeast Asia Inter-regional Consultation Meeting on GWP Strategy 2014 – 2020 on 12th March, 2013 and Asia Water Week-2013 organized by ADB from 13-15th March, 2013 at Manila, Philippines

On the invitation of Regional Office, GWP South Asia and ADB, Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in GWP South and Southeast Asia Inter-regional Consultation Meeting on GWP Strategy 2014 –2020 on 12th March, 2013 and Asia Water Week-2013 organized by ADB from 13th to 15th March, 2013 at Manila, Philippines. Dr. K Vijayalakshmi, RC member, India also participated in both the events.

s. Participation of India Water Partnership in Expert Group Meeting on Improving Access to Water, Sanitation and Energy Services in Asia and the Pacific, by addressing the Water-Food Energy nexus, 20-22 March 2013 at Bangkok, Thailand - jointly organized by ESCAP and FAO

At the instance of Regional Office, GWP-South Asia, India Water Partnership nominated two senior officials from WAPCOS Ltd. (the Secretariat of India Water Partnership) to participate and make active deliberation in the above meeting. Accordingly, Ms. W.Dineshwori Devi, Chief (Civil), Hydro-Power Division, WAPCOS and Er. Sumitt Mittal, Project Manager, WAPCOS Regional Office – Chandigarh participated in the meeting. On completion of the meeting, both the officials have submitted the detailed back to office note. Before going to Bangkok, both the officials were briefed about their role in the meeting by Dr. Veena Khanduri, Executive Secretary, India Water Partnership.

During group discussion on Aral Sea Basin, Ms. W. Dineshwori Devi moderated and presented group discussion summary with the support of group members.

t. Participation in 5th & Final Meeting of the Technical Committee of India Water Week-2013 on 20th March, 2013

As a member of Technical Committee of India Water Week-2013, Dr. Veena Khanduri, Executive Secretary, India Water Partnership participated in the above meeting on 20th March, 2013 at Central Water Commission, New Delhi. The agenda discussed in the meeting were; (a) conducting seminar sessions; panel discussion session; brainstorming sessions; (b) modus operandi for conducting side events (this included GWP-South Asia's gender session and Regional Day of South Asia); (c) Finalizations of Ministers/Dignitaries to be invited for Inaugural as well as Concluding Sessions; (d) holding press conferences, etc.

u. WAPCOS Ltd. – The Secretariat of India Water Partnership received the 44th National Export Award for Excellence in EPO Services – 2011-2012

WAPCOS Ltd. – the Secretariat of India Water Partnership has been conferred with **44th National Export Award** for “**Excellence in EPO Services – 2011-2012**”. This award is instituted by Engineering Export Promotion Council, Ministry of Commerce & Industry, Government of India for outstanding export performance. The award was presented to Dr. R K Gupta, Chairman-cum-Managing Director, WAPCOS Ltd. & President, India Water Partnership by Mr. Martin Kuba, Hon'ble Minister of Trade & Industry, the Czech Republic during Award presentation ceremony held on 15th March, 2013 at Mumbai.

IX. Audited Statement of Accounts for 2012-13

The financial year for GWP is from January to December. The audited statements of accounts for the year in respect of GWP funds and IWP Institutional fund is given below:

a) Audited Statement of GWP Funds for the year 2012

THAKUR, VAIDYANATH AIYAR & CO.
Chartered Accountants
New Delhi, Mumbai, Kolkata, Chennai,
Patna and Chandigarh

221-223, Deen Dayal Marg, New Delhi-110002
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The Regional Auditor
Global Water Partnership – South Asia
Ernst & Young
De Saram Place
Colombo 10
SRI LANKA

India Water Partnership – Audit Opinion

We have audited the accompanying Financial Report as at 31.12.2012 expressed in EURO and for the period from January 1, 2012 to 31st December, 2012 in accordance with International Standards on Auditing. The Financial Report is the responsibility of management of India Water Partnership. Our responsibility is to express an opinion on the Financial Report based on our audit.

We conducted our audit in accordance with International Standards on Auditing. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial report is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the Financial Report. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall report presentation. We believe that our audit provides a reasonable basis for our opinion.

The Financial Report has been prepared solely to enable Global Water Partnership organization ("GWPO") to prepare consolidated accounts and not to report on India Water Partnership as a separate entity.

Remarks:

1. *All the transactions have been routed through UCO Bank under the FCRA (Foreign Contribution Regulation Act) maintained in the name of Institute for Human Development (the host institution) and no separate bank account has been opened in this respect. Due to non opening of separate bank account the income of Interest has not been accounted for in the books of accounts of India Water Partnership.*
2. *The expenditure in the financial report of all four quarters have been accounted for converting the transaction in Indian Rupee into EURO at the rate prevailing as on date of receipts of the grants in the respective quarters.*



3. *Due to non execution of activity within planned time period expenditure which was budgeted could not be expended in the respective quarters and have been carried forward to the succeeding quarters and the whole grant has been utilized by end of last quarter.*

In our opinion except as stated in paragraph 1, 2, and 3 above, the Financial Report of India Water Partnership as at December 31st, 2012 and for the year then ended have been prepared in conformity with GWP Guidelines, and gives a true and fair presentation of the result and position of India Water Partnership per December 31st, 2012.

This audit report is intended solely for the use of Ernst & Young in connection with the audit of the consolidated accounts of GWPO as at December 31st, 2012 and for the year then ended, and should not be used for any other purpose.

For Thakur, Vaidyanath Aiyar & Co.
Chartered Accountants
FRN-000038N



(M.P. Thakur)
Partner
M.No. 052473

Date : 08-02-2013
Place : New Delhi

CC:

1. Ms. Priyanka Dissanayake
Regional Coordinator, GWP South Asia
International Water Management Institute
127, Sunil Mawatha,
Pelawatte, Battaramulla,
SRI LANKA
2. Shri Alakh N. Sharma, Director
Institute for Human Development
Host Institution of India Water Partnership
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India Water Partnership
Host Institution - Institute for Human Development
NIDM Building, IIPA Campus
I.P. Estate, New Delhi- 11002
India

Income and Expenditure Account for the Period From 01-01-2012 to 31-12-2012

Expenditure	Amount (in EURO)	Income	Amount (in EURO)
Core Fund			
To promote water as a key part of sustainable development (To apply and implement IWRM principles and practices to support national development priorities)	6848	Fund received from GWP-SAS Core Budget	40075
Coping with critical water challenges through partnerships to secure mutual goals	13267		
Reinforce knowledge sharing and communications (To generate and share knowledge on sustainable water resources management principles and practices among all stakeholders)	6486		
Build a more effective network (To increase the visibility and sustainability of the GWP network and its independent platform to build coherence and viable internal and external alliances)	13474		
Total	40075		40075
APAN Fund			
Coping with critical water challenges through partnerships to secure mutual goals	2616	Fund received for APAN Activities	2616
Grand Total	42691		42691

As per our report of even date
For Thakur,Vaidyanath Aiyar & Co.
Chartered Accountants
FRN 000038N

M.P. Thakur
(Partner)
M.No. 052473

For India Water Partnership

Alakh N. Sharma
(Vice President)

Dr.Veena Khanduri
(Executive Secretary)

Shyam Kumar
(Accounts Officer, Host Institution)

Place : New Delhi

Date: 08-02-2013





N Kishor & Co.
(CHARTERED ACCOUNTANTS)

Address : F-69 B, 1st Floor,
Laxmi Nagar, New Delhi, 92
Email: cankpandey@gmail.com
Mob: +91-9999193284

AUDITORREPORT

To,

The Member of "India Water Partnership"

We have audited the attached Balance Sheet of "India Water Partnership" as at 31st March 2013 and also the Income & Expenditure Account for the year ended on that date annexed thereto these financial statement are the responsibility of the Society's management. Our responsibility is to express an opinion on theses financial statement based on our audit

We conduct our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statement is free of material misstatement. An Audit includes examining, on a test basis, evidence supporting the amount and disclosures in financial statement .An audit also includes assessing the accounting principal used and significant estimated made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provide a reasonable basis for our opinion.

Further, we report that:

- a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit
 - b) In our opinion, proper books of account as required by law have been kept by society, so far as appears from our examination of such books.
 - c) The Balance sheet and Income and Expenditure Account dealt with by this report are in agreement with the books of account.
 - d) In our opinion the Balance Sheet and Income & Expenditure account comply with the Accounting standards and other recognized accounting principles generally accepted in India.
 - e) In our opinion and to the best of our information and according to the explanations given to us ,The said Balance sheet and Income & Expenditure account give a true and fair view in conformity with the accounting principles generally accepted in India
- (i) In case of Balance Sheet of the state of affairs as at 31st March, 2013 and



(ii) In case of Income & Expenditure Account of the Surplus for the year ended on that date

Place: New Delhi
Date: 03 Oct 2013

For NKishor & Co.
Chartered Accountants
F R. N. 025213N



(NandKishorPandey)
Proprietor
M.No.524447

INDIA WATER PARTNERSHIP


(Regn No.-HR 0182013-00867)
76-C, Sector-18, Gurgaon-122015


Statement of Affairs as on 31st March 2013


Particulars	Current Year (₹)	Previous Year (₹)
SOURCES OF FUND :		
CORPUS FUND		
Membership Fee:		
Opening Balance 5,94,567.00		
Add: During the period 10,000.00	6,04,567.00	5,94,567.00
General reserve	21,893.84	-
CURRENT LIABILITY		
Audit Fees Payable	12,500.00	6,000.00
Total	6,38,960.84	6,00,567.00
APPLICATION OF FUND :		
CURRENT ASSETS		
Cash at Bank	-	-
Syndicate Bank (C/ A No.....1930)	1,78,314.50	1,62,880.00
Advance Recoverable in cash or kind		
TDS Receivable (A.Y.13.14)	8,009.36	-
INVESTMENT		
FD Account	4,20,599.50	4,00,000.00
Add : Interest accrued on FD	32,037.48	20,599.00
Income & Expenditure Account	-	17,088.00
Total	6,38,960.84	6,00,567.00

As per Our Audit Report of Even Date Attached

FOR AND ON BEHALF OF THE BOARD

For, N Kishor & Co.
Chartered Accountants
FRN No. 025213N

Nand Kishor Pandey
(Proprietor)
M.No. 524447


Veena Khanduri
(Executive Secretary)


R.K. Gupta
(President)

Place : New Delhi
Date : 03-Oct-13

INDIA WATER PARTNERSHIP

(Regn No.-HR 0182013-00867)
76-C, Sector-18, Gurgaon-122015

Income & Expenditure Account for the year ended on 31st March 2013

Particulars	Current Year (₹)	Previous Year (₹)
INCOME:		
Annual Membership Fee	5,000.00	5,000.00
Renewal Fee	1,000.00	1,000.00
Interest Accrued on FD	40,046.84	20,599.80
Total	46,046.84	26,599.80
EXPENDITURE :		
Bank Charges	565.00	533.50
Audit Fee	6,500.00	6,000.00
Professional fee	-	3,090.00
Total	7,065.00	9,623.50
Surplus for the year transferred to General Fund	38,981.84	16,976.30

As per Our Audit Report of Even Date Attached


FOR AND ON BEHALF OF THE BOARD

For, N Kishor & Co.
Chartered Accountants
FRN No. 025213N



Nand Kishor Pandey
(Proprietor)
M.No. 524447

Place : New Delhi
Date : 03-Oct.-13


Veena Khanduri
(Executive Secretary)


R.K Gupta
(President)

INDIA WATER PARTNERSHIP

(Regn No.-HR 0182013-00867)
76-C, Sector-18, Gurgaon-122015



Receipts and Payments Account for the year ended on 31st March 2013

Particulars	Current Year (₹)	Previous Year (₹)
Receipts :		
Opeing Balances:		
Syndicate Bank	1,62,936.50	5,30,503.00
Adjusted previous financial year (2011-12) amount	(57.00)	-
Cash in hand	-	-
Life Membership Fee	10,000.00	60,000.00
Annual Fee	5,000.00	5,000.00
Renewal Fee	1,000.00	1,000.00
Total	1,78,879.50	5,96,503.00
Payments:		
Fixed Deposit	-	4,00,000.00
Audit Fees	-	33,090.00
Bank Charges	565.00	476.50
Closing Balances:		
Syndicate Bank	1,78,314.50	1,62,936.50
Cash in hand	-	-
Total	1,78,879.50	5,96,503.00

As per Our Audit Report of Even Date Attached

FOR AND ON BEHALF OF THE BOARD

For, N Kishor & Co.
Chartered Accountants
FRN No. 025213N



Nand Kishor Pandey
(Proprietor)
M.No. 524447


Veena Khanduri
(Executive Secretary)


R.K. Gupta
(President)

Place : New Delhi
Date : 03-Oct.-13

X. Acknowledgement

We are grateful to Global Water Partnership (GWP), GWP-South Asia (GWP-SAS) and Asia Pacific Adaptation Network (APAN) for providing us the financial support for undertaking the activities.

We acknowledge with sincere thanks the overwhelming support received from Ministry of Water Resources, Government of India and National Water Development Agency (the organizing Secretariat of India Water Week-2012) for facilitating participation of IWP and GWP officials in India Water Week-2012.

We are also grateful to the Ministry of Water Resources, Government of India for hosting GWP Steering Committing Meeting from 27th to 30th November, 2012 organized at Vigyan Bhavan, New Delhi. Our sincere thanks also go to WAPCOS Ltd., for coordinating this event in a very efficient manner.

We are thankful to our network partners who undertook the IWP activities in a successful manner and to those who also given their support as kind contribution.

We acknowledge the excellent cooperation and support; the IWP Secretariat received from its previous Host Institution - Institute for Human development (IHD), New Delhi during 2012 and our present Host Institution – AROH Foundation, NOIDA, Uttar Pradesh w.e.f January, 2013.

Our sincere thanks also go to National Institute for Disaster Management (NIDM), Ministry of Home Affairs, Government of India for associating with IWP in organizing different programs during 2012.

We also acknowledge the support received from the communities, farmers, students, PRI members, Women SHGs, Area Water Partnerships and Zonal Water Partnerships during implementation of our activities across the different States of India.

Finally, we express our sincere gratitude to WAPCOS Ltd. for providing the fully operational office along with conference room facilities and other infrastructural facilities for hosting IWP Secretariat at its office at 76-C, Sector-18, Institutional Area Gurgaon -122015 (Haryana).

IWP and its Network Partners - Media Coverage

Effective water governance needed to tackle growing water woes: Experts

India Water Review : June 20, 2012, 7:52 pm

New Delhi : Delhi and its constant water woes have been in the news recently. If the situation in the national Capital is so bad, how would other cities, with far less resources, be coping up?

The growing water shortage in Delhi has again raised the issue of water governance across the country. It is now well acknowledged that dwindling water resources are becoming constraining factors to both development and poverty alleviation. Scarcity of water remains a threat to sustainability of both economic activity as well as the ecology.

But, the concept of water resources governance itself has gone a structural change. Experts point out that now the difficulty in water governance is that every agency (and, stakeholder) thinks that water belongs to them. However, no one wants to protect it.

So, there is a clear need to redefine water governance. Also, there is a critical need to look at alternative institutional and policy arrangements to make water governance both meaningful and viable.

Experts at a recent consultation meeting on "Issues of governance in the water sector" felt that stakeholders' responsibility and authority, financial viability, innovation and research & development, capacity building and inter-coordination among the various departments are the key parameters for effective water governance.

Investing in governance reform is more cost-effective compared to the cost of investment in technological solutions, it was felt. The multi-stakeholders' consultation was organized by India Water Partnership (Global Water Partnership - India) in association with Transparency International India (TII) on June 18 at New Delhi.

The consultation was attended by participants from the Government, non-government organizations (NGOs), Delhi's Deputy Mayor, representatives of several residential welfare associations (RWAs), India Water Partnership network partners and officials from Transparency International, India officials. Former Central Water Commission (CWC) Chairman Anil D Mohile, who chaired the consultation, said that water resources governance and management scenario in India is undergoing structural changes.

In the case of surface water, allocation equals or exceeds available water. So, while one industry uses water, it gives back the water after re-cycling. Hence, the total use remains the same. But, in the case of groundwater, extraction exceeds recharge, said Mohile, adding that this hampers the allocation of water over different sectors and makes the situation more complex.

The experts stressed on the fact that efficient governance required strong leadership policies and regulations to allocate necessary financial resources and provide incentives for increased investment and transparency.

India Water Partnership's Dr Veena Khanduri was of the view that today water governance was no more in the domain of water managers alone because of multi-level (local, regional, sub-national) and multi-dimensional (economic, social and environmental) factors.

It is now important to focus on how we as a society can manage our water resources as part of effective water governance as there are multiple authorities and coordinating agencies working at the same time on the issues", she said.

Capacity building of water utilities and a change in mindset of Government officials were also important factors in water governance, added Global Water Partnership's regional council member Dr Prem S Vashishtha.

**Press Information Bureau
Government of India
Ministry of Water Resources**

27-November-2012 16:57 IST

The Apex Body of the Global Water Partnership Meets in Delhi to Promote a Water Secure World

The Apex Governing Body of the Global Water Partnership (GP) today met in New Delhi to promote a Water Secure World for future. The meet was chaired by Member Planning Commission Abhijit Sen. Shri G.Mohan Kumar, Additional Secretary in the Ministry of Water Resources represented the Indian side. The meeting began with a call to ensure that the water flows required for the environment are maintained. It was highlighted in the meeting that with more and more people living in mega cities such as Delhi, increasing demand for water will stress existing water resources. We will need to produce more food with less water to feed a planet of 8 billion people by 2030. Energy demand will more than double in emerging economies in the next 25 years and hydropower will be a significant source of clean energy production. Floods and droughts, exacerbated by climate change, will continue to threaten farmer livelihoods and lowland (coastal) economies. The world is fast waking up to the immutable fact that water is scarce and finite and that the only way forward is to wisely manage this precious but finite resource. After all – water is life.

During the three day long deliberations the Global Steering Committee will not only experience the significant progress made in India with relation to water resources management, but also conduct deliberations to review GWP progress globally and set the strategy for the important and crucial work of the Partnership in helping countries achieve a water secure world.

The Global Water Partnership (GWP) aims for a water secure world. It is an international network organisation with HQ at Stockholm, Sweden. GWP has been founded by the World Bank, the United Nations Development Programme (UNDP) and the Swedish International Development Cooperation Agency (SIDA). The objective is to foster the implementation of Integrated Water Resources Management (IWRM); the coordinated development and management of water, land and related resources by maximizing economic and social welfare without compromising the sustainability of ecosystems & environment. Through a network of 2,700 partners, in 161 countries and 83 country water partnerships in 13 regions, the GWP is a key ally in a nation's quest to manage its water resources in an integrated, sustainable and an equitable way for its development activities. By engaging from the very local level to the global level, the GWP serves to connect the needs of a mother seeking clean water for her family, to a government formulating a national water policy. In South Asia, GWP Country Water Partnerships are national networks of dedicated and committed partner organizations, working to influence policy and advocate principles of Integrated Water Resources Management in India, Bangladesh, Bhutan, Nepal, Pakistan, and Sri Lanka, especially regarding the major challenges of food security, rapid urbanization and adaptation to climate change. These Country Water Partnerships come together under the umbrella of a Regional Water Partnership for South Asia, namely GWP South Asia which is meeting in Delhi this week.

Govt urged to formulate comprehensive flood plan

TNN Jun 10, 2012, 07.18AM IST

Tags:

GUWAHATI: Experts have urged the state government to formulate a comprehensive policy on management of floods and erosion. The necessity of a state policy on the issue was raised during a consultation on water governance, organised by biodiversity conservation NGO Aaranyak and New Delhi-based NGO India Water Partnership here on Saturday. Floods and erosion are two major water-induced hazards that ravage the state every year, causing misery and large-scale loss of property and livelihoods. In fact, about 5 lakh hectare of land has been lost in the state due to erosion alone since the 1950s.

"This consultation is about identifying and analyzing the most important water-related issues in the state for formulating a set of strategies for effective mitigation focusing on interdisciplinary research, intervention and policy advocacy. While flood and river bank erosion and land degradation due to sand deposit are the major water related problems, Assam is also periodically facing drought like situation," Aaranyak's head of water, climate and hazard programme, Partha J Das said.

There was also the demand for reviewing state's draft water policy formulated about five years ago in the light of new national water policy. The concept note of the study has already been submitted by the state government to the Centre. "Union ministry of water resources has agreed on the study in principal. Now the proposal has been sent to the union ministry for development of North Eastern region for approval," an official said.

The study was planned because another study carried out under the European Commission funded Brahmatwinn project earlier did not focus much on Brahmaputra within the state. "Brahmatwinn focused its study on the upper reaches of Brahmaputra. Brahmaputra within the state is a massive network system of about 50 major tributaries and about 126 sub-tributaries. For dealing with the erosion problem and reclamation of eroded land we have to have a comprehensive study on Brahmaputra within the state. That is why we are going to carry out a fresh study on Brahmaputra," a senior official said.

The Telegraph – Calcutta (India)

Experts seek river solution

OUR SPECIAL CORRESPONDENT

Guwahati, June 9: The experts in the water sector have called for knowledge-based intervention on problems related to the Brahmaputra.

This was the common observation made by experts at a consultation on Water Governance in Assam: Priorities for Knowledge-based Interventions here today.

The consultation was organised by Aaranyak, a society for bio-diversity conservation in collaboration with India Water Partnership (New Delhi).

“We hardly know 20 per cent of Brahmaputra in its entirety and there is a need to know lot more,” Chandan Mahanta, a professor at the civil engineering department at IIT Guwahati told **The Telegraph**.

On the need for catchment area treatment, participants pointed out that as many of the rivers originate outside the state, there is a need for regional-level cooperation. “Knowledge about the catchment area is very important,” said A.K. Mitra, former secretary of the water resources department, Assam.

Discussions were centred on activities covering inter disciplinary research, intervention and policy advocacy for addressing the most important issues and problems in the water sector for the state of Assam.

Participants at the meeting felt that a state wetland authority should be set up in order to get funds for conservation of water bodies.

Others called for identifying drought-prone areas in the state as there have been a drought-like situation in the state recently.

Usually floods and river bank erosion are the two most talked about water hazards in the state. But events like flash floods and land degradation because of silt deposition on river banks are important phenomena which have affected lives of people to a great extent in the state. There is a need to deliberate in detail on this issue, experts said.

STATE-WISE LIST OF LIFE AND ANNUAL MEMBERS OF INDIA WATER PARTNERSHIP

S.No.	State	Name of the Organization
1	Andhra Pradesh	Society for Participatory Development (SPD), Hyderabad
2	Andhra Pradesh	Indian Association of Aquatic Biologists (IAAB), Hyderabad
3	Andhra Pradesh	Institute of Resource Development and Social Management, Hyderabad
4	Andhra Pradesh	WORLD, Khammam District
5	Andhra Pradesh	Rural Integrated and Social Education Society, Ananthapuram District
6	Andhra Pradesh	Sarvodaya Youth Organization, Warangal District
7	Andhra Pradesh	Sarvodaya Gram Sevak Sangh, Krishna District
8	Andhra Pradesh	Deva Organization Rural Development Society, Krishna District
9	Assam	AARANYAK, Guwahati
10	Bihar	Institute of Environment & Eco. Development (IEED), Patna
11	Bihar	Welfare India, Katihar District
12	Gujarat	Self Employed Women's Association (SEWA), Ahmedabad
13	Gujarat	Institute of Rural Management, Anand (IRMA), Ahmedabad
14	Gujarat	N.M. Sadguru Water & Development Foundation, Dahod
15	Haryana	PRAGYA, Gurgaon
16	Himachal Pradesh	PRAKRITI, Shimla
17	Jharkhand	HUMANITY, Ranchi
18	Karnataka	SAHAYOGA, Bangalore

S.No.	State	Name of the Organization
19	Karnataka	SSJV Projects Pvt. Ltd., Bangalore
20	Karnataka	National Institute of Advanced Studies, Bangalore
21	Kerala	SAMYUKTHA, Thiruvananthapuram
22	Madhya Pradesh	Lake Conservation Authority of Madhya Pradesh, Bhopal
23	Madhya Pradesh	Madhya Pradesh Institute of Social Science Research, Ujjain
24	Madhya Pradesh	NAVADEEP, Indore
25	Maharashtra	Grass Root Action & Social Programmes, Aurangabad
26	Maharashtra	Indian Water Works Association, Mumbai
27	Maharashtra	Dam and Development Council of India, Pune
28	Maharashtra	Jain Irrigation Systems Ltd., Jalgaon District
29	Maharashtra	Yuva Gram Vikas Mandal, Beed District
30	Maharashtra	Pravara Institute of Research and Education in Natural and Social Sciences, Ahmednagar District
31	Maharashtra	Maharashtra Pani Parishad, Ahmednagar District
32	Maharashtra	Foundation for Agriculture and Rural Development & Environmental Security, Nagpur District
33	Maharashtra	Women's Water Forum (WWF), Nagpur District
34	Maharashtra	Friend's Forum for Purna River Basin Development (FFPRBD), Nagpur District
35	Maharashtra	Society for Promotion of Eco-system Management (SPPECOM), Pune District
36	Maharashtra	Indian Social Welfare Society, Gondia District
37	Maharashtra	Yusuf Meherally Centre, Mumbai
38	Maharashtra	Eco Needs Foundation, Aurangabad District

S.No.	State	Name of the Organization
39	Maharashtra	Gomukh Environmental Trust for Sustainable Development, Pune
40	Manipur	Zougam Institute for Community Resources, Imphal
41	New Delhi	Society for Promotion of Wastelands Development, New Delhi
42	New Delhi	Angelique International Limited, New Delhi
43	New Delhi	Jaguar Overseas Limited, , New Delhi
44	New Delhi	Safe Water Networks India, , New Delhi
45	New Delhi	WAPCOS Ltd., New Delhi
46	New Delhi	Kirloskar Brothers Ltd., New Delhi
47	New Delhi	Institute for Resource Management and Economic Development, , New Delhi
48	New Delhi	Institute for Human Development, New Delhi
49	New Delhi	Central Soil and Material Research Station, New Delhi
50	New Delhi	Power Grid Corporation of India Ltd., New Delhi
51	New Delhi	Society for Development Alternatives, New Delhi
52	New Delhi	Sulabh International Social Service Organisation, New Delhi
53	New Delhi	Winrock International India, New Delhi
54	New Delhi	All India Women's Conference, New Delhi
55	New Delhi	Action For Food Production, New Delhi
56	New Delhi	Alternative Futures, New Delhi
57	New Delhi	Water Aid, New Delhi
58	New Delhi	Institute of Economic Growth, New Delhi

S.No.	State	Name of the Organization
59	New Delhi	Institute for Development Initiatives (IDI), New Delhi
60	New Delhi	Water Community India, New Delhi
61	New Delhi	Action for Disaster Resilient and Inclusive Development, New Delhi
62	New Delhi	Society for Young Women and Child, New Delhi
63	New Delhi	ICLEI South Asia, New Delhi
64	Orissa	Society For Rural Advancement And Democratic Humanitarian Action (SRADHA), Bhubaneshwar
65	Orissa	Association For Awareness and Welfare Activity For Down-Trodden in Society (AAWADS), New Delhi
66	Orissa	SADHANA, Bhubaneshwar
67	Orissa	Adarsha Seva Sangathan. Angul District
68	Orissa	Moon Light Club, Baragarh District
69	Orissa	The CHETANA, Dhenkanal District
70	Orissa	Mahalaxmi Mahila Samiti, Bhubaneshwar
71	Orissa	Narichetna Mahila Institute, Dhenkanal District
72	Orissa	India Micro-Credit Consultancy Rating and Evaluation and Training Organization "IMCCRETO", Bhubaneshwar
73	Orissa	Gramya Bikash Manch, Cuttack District
74	Orissa	Society for Women Action Development, Puri District
75	Orissa	Banki Anchalika Adibasi Harijan kalyana Parisad. Puri District
76	Orissa	Arun Institute of Rural Affairs, Dhenkanal District
77	Orissa	UDYAMA, Bhubaneshwar
78	Punjab	Nodal Organization For Development Enterprise and Services, Chandigarh
79	Punjab	GAD Institute of Development Studies, Amritsar

S.No.	State	Name of the Organization
80	Rajasthan	Indian Institute of Rural Management, Jaipur
81	Rajasthan	Institute of Development Studies, Jaipur
82	Rajasthan	Institute of Rajasthan Studies, Jaipur
83	Rajasthan	Centre for Environment and Development Studies, Jaipur
84	Rajasthan	Jheel Sanrakshan Samiti, Udaipur
85	Tamil Nadu	DHAN (Development of Humane Action) Foundation, Madurai District
86	Tamil Nadu	Human Formation Organisation (HFO), Tuticorin District
87	Tamil Nadu	Samaritan Community Development Foundation, Vellore District
88	Tamil Nadu	Terra Firma, Chennai
89	Uttaranchal	Indian Association of Hydrologists, Roorkee
90	Uttaranchal	Indian Water Resources Society, Roorkee
91	Uttaranchal	Pan Himalayan Grassroots Development Foundation, , Almorah District
92	Uttar Pradesh	Sharda University, Greater NOIDA
93	Uttar Pradesh	AROH Foundation, NOIDA
94	Uttar Pradesh	Janhit Foundation, Meerut District
95	Uttar Pradesh	Empowering People for Development, Lucknow
96	Uttar Pradesh	NEER Foundation, Meerut District
97	Uttar Pradesh	Medhaj Techno Concept Pvt. Ltd., Lucknow
98	Uttar Pradesh	CAPRE Foundation, Allahabad

S.No.	State	Name of the Organization
99	Uttar Pradesh	Society for Watershed and Rural Development (SWARD), Allahabad
100	West Bengal	Shatmonisha Santi Sangha Mohila Samiti, South 24 Parganas
101	West Bengal	Nutanhat Development Society, Kolkata
102	West Bengal	Tafa Palli Milani Sangha, South 24 Parganas
103	West Bengal	Kalyani Institute for Study, Planning and Action for Rural Change, Kalyani
104	West Bengal	Consortium for Training Research and Development (CTRD), Kolkata

LIST OF INDIA WATER PARTNERSHIP BOARD OF GOVERNORS AS ON 31st MARCH, 2013

S. No.	Name	Position in IWP Board	Institution & Designation
1	Dr. R K Gupta	President	President India Water Partnership & Chairman-cum-Managing Director, WAPCOS Ltd. Kailash, 5th Floor, 26, Kasturba Gandhi Marg, New Delhi - 110 001
2	Dr. Alakh N Sharma	Vice-President	Director, Institute for Human Development (IHD), NIDM Building, IIPA Campus, I P Estate, Mahatma Gandhi Marg, New Delhi – 110002
3	Prof. M R Murthy	General Secretary & Treasurer	Director, Institute for Studies in Industrial Development, 4, Institutional Area, Vasant Kunj, New Delhi-110 070
4	Mr. D K Manavalan, I.A.S. (Retd.)	Member	Executive Director Action for Food Production (AFPRO) 25/1-A, Pankha Road, D-Block, Janakpuri, New Delhi-110058
5	Shri N S Samant	Member	Joint Secretary (Admn & GW), Ministry of Water Resources, Govt. of India
6	Dr. A.K.Sikka	Member	Deputy Director General (Natural Resource Management) Division of Natural Resource Management, Krishi Anusandhan Bhawan-II, New Delhi - 110 012 INDIA
7	Dr. Ashok Kumar Jain	Member	Adviser (Rural Development) 205, Yojana Bhawan Planning Commission, Government of India, New Delhi
8	Mr.A.Gurunathan	Member	Chief Executive, DHAN Vayalagam (Tank) Foundation, a water thematic Institution of DHAN Foundation, Madurai, Tamil Nadu
9	Dr.(Mrs.) N.Shantha Mohan	Member	Professor, Gender Studies Unit, National Institute for Advanced studies (NIAS), Indian Institute of Science (IIC) Campus, Bangalore-560012.
10	Dr. Prem S. Vashishtha	Member	Professor, Galgotias University, NOIDA
11	Dr. Surjit Singh	Member	Director, Institute of Development Studies 8B Jhalana Institutional Area, Jaipur

S. No.	Name	Position in IWP Board	Institution & Designation
12.	Mr. Jelshyam Singh	Member	Director, Wangjing Women and Girls Society Wangjing
13	Mr. S C Jain	Joint Secretary	Program Coordinator Safe Water Networks India The Centrum, Room 1, IB-3, 369-370, Sultanpur, Main Mehrauli Gurgaon Roda, New Delhi – 110010
14	Mrs. Kalpakam Yechury	Member	Head, Water & Sanitation Division, All India Women's Conference (AIWC) Sarojini House, 6, Bhagwandas Road, New Delhi-110001
15	Dr. Ms. K. Vijaya Lakshmi	Member	Vice President & Head of Innovation Systems Branch Development Alternatives B-32 TARA Crescent Qutub Institutional Area New Delhi 110 016
16	Dr. Jeemol Unni	Member	Director, Institute of Rural Management, ANAND,
17	Dr. Joseph Viruthiyel	Member	Honorary Director, Institute for Development Initiative, New Delhi
18	Ms. L Susithra	Member	A-36, Water Tank Road, MMDA Colony, Arumbakkam, Chennai-600106
19	Prof. Maria R Saleth	Member	Director, Madras Institute of Development Studies, Chennai (Tamil Nadu)
20	Mrs. Anita Rana	Member	Director, Janhit Foundation, Meerut (Uttar Pradesh)
21	Prof. M S Rathore	Member	Director, Centre for Environment & Development Studies, Jaipur (Rajasthan)
22	Mr. Mahesh Mishra	Member	Country Representative, Water Aid, New Delhi
23	Mr. Viren Lobo	Member	Executive Director, Society for Promotion of Wasteland Development, New Delhi
24	Mr. Ajay Kumar	Member	Director, HUMANITY, an Organisation for Human Development Address : H-88, Argora Housing Colony, Ranchi- 834002, Jharkhand
25	State Govt. nominee (1)	Member	Nomination sought from State Govt. of Rajasthan (nomination awaited)
26	State Govt. nominee (2)	Member	Nomination sought from State Govt. of Haryana (nomination awaited)
27	State Govt. nominee (3)	Member	Nomination sought from State Govt. of Karnataka (nomination awaited)

India Water Vision-2015

IWP prepared "India Water Vision-2025" during 1999 based on the projections for country's water demand in 2025 on the initiatives of GWP and South Asia Technical Advisory Committee. The Vision Document was prepared after a series of four regional consultations with the senior government officials from Central and State Governments, policy makers, academicians, water experts, donor agencies, UNICEF, World Bank, NGOs and industry representatives. India Water Vision is cited in National Water Policy-2002. As per the India Water Vision, the total estimated demand for water (gross) for 2025 is 1027 BCM. In order to meet this demand, water availability will have to be increased from around 520 BCM in 1997 to more than 1000 BCM in 2025. For meeting additional demands, investment requirements have been estimated to Rs. 5000 billion during next twenty five years or about Rs. 200 billion per year.

Zonal Water Partnerships

IWP pioneered the concept of Zonal Water Partnerships (ZWP) in 2007. Both IWP and ZWP work closely with the relevant water institutions, universities, CBOs/NGOs and other stakeholders at national, state and local level. IWP with the support of ZWPs in India is addressing the water centric issues through Panchayati Raj Institutions (PRIs)/Urban Local Bodies (ULBs) which have constitutional authority in the chain of civil authority structure.

Area Water Partnerships

AWP was conceptualized to function as platforms for sub-basin level partners. While a Country Water Partnership (CWP) identifies the country's critical water stressed areas, an AWP focuses more narrowing on a specific river basin where water stress is already a problem or is anticipated within the next 25 years. Within a river basin there are many water users who affect water quality and quantity. The main task of AWP is to identify the inter-dependence of various water related institutions and stakeholders to support them in the sustainable management of their water resources. AWP therefore need to encourage competing stakeholders to reconcile and adjust their demands in the interests of sustainable water management. The focus of AWP is to identify and discuss local level issues, resolve conflicts and disputes, find solutions and finally present water related problems of sub basins to the higher authorities. IWP has helped to form several AWP in different States across the country.

Contribution of IWP in National Water Policy-2012

IWP board members and its network partners actively contributed during 2010 and 2011 in the brainstorming sessions organized by Ministry of Water Resources, Government of India to review National Water Policy-2002. IWP was well represented in the Drafting Committee of National Water Policy-2012. In this regard, the IWP organized a side event on 13th April, 2012 during India Water Week-2012 on "**Approach of Draft National Water Policy (DNWP), 2012 in Context of Climate Change**". Objective of the side event was to examine how the Draft National Water Policy (2012) reflects on the issue of climate change to address water and food security. The event was attended by Govt. of India officials, academia, policy makers, State Govts. officials, NGOs and GWP representatives. Recommendations of the side event were sent to the Ministry of Water Resources, Govt. of India.



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