

Report on Participation in the 62nd IEC Meeting and 21st Congress on Irrigation and Drainage and 8th International Micro-Irrigation Congress held from October 15-23, 2011 at Tehran, Iran

By

Engr. Husnain Ahmad Immediate Past President / Vice-President (ICID)

1. In the first instance, Chairman PANCID (National Committee of ICID-Pakistan) nominated Engr. Husnain Ahmad, Immediate Past President / Vice-President ICID to represent PANCID at the above cited international event as well as to cast his vote for the position of ICID President for the new term on their behalf. Hence, Engr. Husnain Ahmad being Vice-President-ICID represented Pakistan Engineering Congress as head of Congress delegation as well as represented PANCID.
2. **Election of President / Vice-President – ICID (for 2011-2014)**
Pakistan delegation under the leadership of Engr. Husnain Ahmad participated in all sittings of Work Bodies / Task Forces / Conferences at the above cited event. It took keen and pro-active role in the election of the following office bearers and directed all their efforts to achieve success.

- **Dr. Gao Zhanyi (China)** President

He has been elected upon retirement of President **Chandra Madramootoo** after 62nd IEC (Tehran)

- **Prof. Tai Cheol Kim (Korea)** Vice-President
- **Dr. Adama SANGARE (Mali)** Vice-President
- **Dr. Gerhard R. Backeberg (South Africa)** Vice-President
- **Mr. Avinash C. Tyagi** was nominated as Secretary General-ICID

Close contact is being maintained with these prominent personalities as well as the other position holders in the pursuit of objectives of ICID / Pakistan Engineering Congress.

3. **Broadbasing Australia**
Mr. Ian Athnison CEO (Irrigation Australia) is Chairman ICID Australia. **Dr. Willem F. Voltman** is Vice-President of IACID-Australia (2009-2012). Australia is an important player in ICID activities as well as a significant economic power. As Vice-President-ICID (Asia & Oceania Zone) from the platform of the Congress, we are in process of forging bilateral relationship with them (as has been done in case of ICID-Iran).
4. **Memorandum of Understanding Between International Research Programme on Irrigation and Drainage / Iran Regional Node for Central Asia and Middle East and Pakistan Engineering Congress**

In due recognition of :

- 1) The pressing needs to ensure global food security, and poverty alleviation by increasing present levels of food production and preserving the environment.
- 2) The important role of research and technology development towards this global goal.

- 3) The need for capacity building at all levels in efficient water management.
- 4) The establishment of International Research Programme on Irrigation and Drainage, Iran Regional node for Central Asia and Middle East.

IRAN. IRPID and Pakistan Engineering Congress hereby undertake to co-operate in conducting researches on irrigation and drainage sciences, technology and management, and exchanging knowledge through provisions for bilateral visits, trainings, holding of seminars / workshops / symposium and dissemination of research outcomes by any other mean(s) as mutually agreed upon signed on the 21st of October 2011 in Tehran, Iran by :

Dr. Mohammad Javed Monem

Head of International Research Programme on Irrigation and Drainage, Iran Regional node for Central Asia and Middle East & **Engr. Husnain Ahmad** Vice-President (ICID) On behalf of Pakistan Engineering Congress, Lahore, Pakistan

5. ICID-International Research Program for Irrigation and Drainage (ICID-IRPID) – Iran Regional Node for Central Asia and Middle East (IRAN-IRPID)

Iran through its National Committee has launched “International Research Programme for Irrigation & Drainage” (IRPID). For this purpose, a nodal center has been established in Tehran for Central Asia and Middle East. The center has been established and equipped with required facilities at Water Research Institute on October 16, 2011. The center is a culmination of a MoU with ICID during the Golden Jubilee in 2009 at New Delhi. The vision of the programme is to develop capabilities towards food security, poverty alleviation, enhancement of water productivity (WP) and interaila state the following :

- To study and research in engineering aspects of irrigation and drainage related issues such as reservoirs, canals, drains, and other related infrastructures for storage, conveyance, distribution, collection, and disposal of water.
- To conduct researches on management and stakeholders’ participation in irrigation and drainage.
- To facilitate the investigations on enhancing the environmental impacts of irrigation and drainage projects leading to more sustainable development.
- To enhance the role of women and young irrigation water users and beneficiaries in related research activities.
- To cooperate with other national, regional and international organizations, whose interests and activities are related to the mission of IRPID-ICID.

ICID have exhorted the National Committee(s) (NC’s) to establish similar Institutions for Research on Irrigation and Drainage issues. Pakistan Engineering Congress has already signed MoU with IRAN to have access to their research. It is high time that we emulate the example of Iran and establish similar research center in Pakistan and PANCID moves the Govt. in this respect.

6. Asian Regional Task Force on Climate Change

The issue of climate change / global warming is a matter of far reaching proportions. In this connection, several “Accords” were negotiated internationally Kyoto, Copenhagen and the negotiation at Durban (South Africa). The irony is that despite Pakistan’s contribution to CO₂ emissions is negligible (0.54%), it is the most vulnerable Country due to global warming. The floods of 2010-due to abnormal 200 millimeter (7.9 inch) rains

that fell in 4-days during July-August, 2010 wrought irreparable physical and economic loss. The Country was still reeling from its devastating effects when un-timely heavy rains in 2011 have delivered a further death blow to the economy in Sindh and KPK. The issue was discussed with Mr. Shinsuke OTA (Vice-President Honorary - ICID). Resultantly, a working paper has been developed on the various aspects of this menacing global problem with reference to Pakistan.

7. “Security of Rural Water and Community in Relation to Climate Change”

Prof. Tai Cheol Kim Vice-President (ICID) 2011-14 has formulated 2nd revised draft on the topic of “**Security of Rural Water and Community in Relation to Climate Change**”. The final recommendations will be presented at 22nd Congress, 65th IEC-2014 in Republic of Korea.

The paper covers following pertinent issues and recommendations on economic utilization of Irrigation and Drainage facilities, avoiding / limiting ground water usage etc.

- Policy and Adaption to Climate Change
- Reinforcing Design Criteria for Irrigation and Drainage Facility
- Natural Disaster Prevention
- Innovative and Green Technology
- Transferring Water among Users
- Land Use Change
- Security of Food and Rural Community through Irrigation and Drainage
- Development and Management for Irrigation and Drainage System
- Governance for Water Security and Livelihood of Rural Community
- Micro-irrigation Technology for Crop and Water Productivity
- Improvement of Irrigation Efficiency
- Inter-basin Water Transfer and Water Sharing

Special Session: New Partnership for Rural Development

Symposium on the topic of: Non-point Sources Pollution and Best Management Practices (BMPs)

8. Draft of 22nd Minutes Items of Permanent Committee on “Strategy and Organization) PCSO, Tehran, Iran.

Engr. Husnain Ahmad attended the sessions as under :

- 18th October, 2011 – 04:00-12:30 Hours (1st Session)
- 18th October, 2011 – 13:30-17:00 Hours (2nd Session)
- **New Membership Countries and Membership Drive**
Need was felt to expand the activities of ICID by opening the membership of ICID to

other than National Committee(s) i.e. NC's of ICID. The following suggestions were made for consideration / adoption.

Type of Membership	Category	Annual Membership Formula	Remarks
Corporate Members	Industry / Consultancy	A telescopic structure of rates that can be linked to the annual turn-over of the firm like: 10 million & above US\$1000 1-10 million US\$ 500 Less than 1 million US\$ 250	
Individual Associates	Experts / Consultants	\$150 for developed countries and \$ 100 for those in developing nations than LDCs \$ 50 for members from LDC's	
Associate Members	Associate Institutions (Academic, Technical, Scientific and Research Categories)	\$500	
Associates Members	Global Financial Bodies	\$1000	
Associate Member	UN Organizations/International Water Related Organizations	Nil (Mutual and reciprocal partnership to be worked out)	

- **Working Group of Young Professionals**

It was decided to encourage National Committee(s) (NC's) for participation of young professionals in ICID events as under :

- Launching the specified webpage of YPG in Facebook for having better connections with young professionals in the field of irrigation and drainage.
- Waiving / reducing the registration fee of future ICID events for YPF.
- Providing sponsorships and inexpensive accommodation to WG-YPF members by the host countries.

- **Financial Support to Young Professionals**

Permanent Committee on Strategy and Organization (PCSO) after detailed discussions was of the view that in case of Young Professionals, ICID should take necessary measures to enhance their participations through all possible reductions in their registration fee structure and offering after discounts such as traveling / accommodation facilities during events through negotiation with respective Airlines / Hotels etc.

- **Financial Support to Young Professionals**

- ICID-was asked to facilitate easy participation through **(a)** reduction in Registration fee **(b)** economical traveling / accommodation facilities.

- Office Bearers / Working Groups / Task Forces should be provided financial support for conducting their activities.

Engr. Foad Hussain participated as young professional from Pakistan Engineering Congress.

9. Permanent Committee for Technical Activities (PCTA)

Engr. Husnain Ahmad participated in all the 2-Sessions as detailed below:-

- 20th October, 2011: 09:00-12:30 hours (Session-I)
- 20th October, 2011: 14:45-18:00 hours (Session-II)

In addition to the 7-Vice-Presidents, the session were also participated by permanent observers.

- **Working Group on History of Irrigation, Drainage & Flood Control (WG-HIST)**
Nomination of Mr. Zarar Aslam in place of VPH, Dr. I. B. Sheikh (Pakistan) was deferred.
- **Working Group on Environment (WG-ENV)**
Nomination of Mr. Javeed Iqbal Bokhari in place of Engr. Dr. I.B. Sheikh (Pakistan) was deferred. He was not present at the Conference.
- **Working Group on Comprehensive Approaches to Flood Management (WG-AFM)**
Nomination of Mr. Asjad Imtiaz Ali in place of Mr. Zarar Aslam (Pakistan) was deferred. He could not attend the event due to preoccupation with official engagements.
- **Working Group on Climate Change and Agricultural Water Managements (WG-Climate)**
Nomination of Mr. Javeed Iqbal Bokhari in place of Dr. Engr. I.B. Sheikh (Pakistan) was deferred.
- **Working Group on Global Climate Change and Agricultural Water Management (WG-Climate)**
Nomination of Mr. Naseer Ahmad Gilani (Pakistan) was deferred.
- **Working Group on Modernization of Irrigation Services (WG-MIS)**
It was decided that the Working Group should continue with a new mandate.
- **Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)**
Like other National Committee(s), PANCID is also working on preparation of “**Irrigation History of Pakistan**”, it is under preparation with Ch. Mushtaque Ahmad C.E (Hydrology and Water Management) WAPDA. Series of the meetings have been held with the concerned Federal / Provincial Irrigation, Departments in this respect.
- **Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)**
The International Workshop on Floods was held in Pakistan on March, 2011. Such workshops have been held on Floods in Iran, Japan, America. P.H. Peter Lee suggested that Dr. Emami may proceed with developing a core group who could develop a mandate and Terms of Reference.
- **New Work Bodies**
Dr. Voltman of Australia proposed establishment of a “**New Working Group**” on Millennium Development Goals (MDGs) to deal with the “Role of impact evaluation in maintaining momentum towards the MDGs through investment in irrigated agriculture sector. The proposal was discussed during the meeting of WG-POVERTY.

PCTA requested the Council for approval.

10. Very numerous and informative publications were issued at the Conference in Tehran-Iran by the following organizations.

- Water and Wastewater Research Center. Tehran, Iran
- Iran National Water Dispatching. Tehran, Iran
- Karst & Hard Rock National Research Center. Tehran, Iran
- Department of Hydraulics and Hydro-Environmental Engineering. Tehran, Iran
- National Research Centre of Caspian Sea. Tehran, Iran
- Water Resources Study and Research Department. Tehran, Iran
- National Cloud Seeding Research Center. Yazd, Iran
- ICID-International Research Programme for Irrigation and Drainage (ICID / IRPID) - Iran Regional Node for Central Asia and Middle East (IRAN-IRPID). Tehran, Iran

11. Abbreviations / Terminologies

- **WB** World Bank
- **FAO** Food and Agricultural Organization of the United Nations
- **IWMI** International Water Management Institute
- **ISO** International Standards Organization
- **WWC** World Water Council
- **CPWF** Challenge Programme on Water & Food
- **AGWA** Agriculture water for Africa
- **ITRID** International Technology Research in Irrigation & Drainage