

The 72nd Annual Session: The presidential election of Pakistan Engineering Congress was held on the 30th of July, 2011, in which **Engr. Riaz Ahmad Khan** was elected as the President of Pakistan Engineering Congress for the 72nd Session. It was felt expedient to highlight some significant arrangements by the sitting Executive Council which they had planned with a view to observing the huge occasion in a befitting manner and the targets achieved thus far.

The following activities have so far been attained:-

1. Technical Visits

The following Technical visits have been arranged during the Session so far:-

a) **Technical Visit to Neelum Jhelum Hydroelectric Project from 26th to 27th, November, 2011**

A 10-Member delegation of Pakistan Engineering Congress paid a technical visit to Neelum Jhelum Hydroelectric Project from 25-27 November, 2011. The Neelum Jhelum Hydroelectric Project (NJHEP) is the largest project undertaken in the country since the completion of Mangla and Tarbela Dam Projects. On completion, it would generate 5.1 billion units annually, fetching total revenue of Rs. 50 billion annually.

b) **Technical Visit to Chashma Barrage / Jinnah Barrage/Jinnah Hydropower Projects**

A 25-Member delegation of PEC visited the Chashma Barrage on 18th February 2012 and Jinnah Barrage and Jinnah Hydropower Project on 19th February 2012. Jinnah Barrage was built on River Indus in 1945 and Jinnah Hydropower Project is a Turnkey Project mandated to generate 96 MW of electricity (8 Turbines of 12 MW each). The delegation was given detailed briefing on Design, Electric and Mechanical aspects of the Project which is likely to be commissioned by end of year 2012.

c) **Nandipur Hydel Power Project** was visited by a delegate comprising 14 members of Engineering Congress delegation on April 2012. They also visited

Hydraulic Research Station Nandipur (near Gujranwala). The institution provides unique facilities for conducting model studies for design parameters of mega hydraulic structures. The delegation was given comprehensive briefing about the background history of the Research Station, dating back to 1952, the milestones achieved by the institution thus far and projects in hand. After briefing session the delegation was shown about 15 model studies.

d) **Technical Visit to Benazir International Airport, Islamabad**

A 15-Member delegation of PEC, led by Engr. Akhtar Abbas Khawaja, Vice President / Secretary PEC, alongwith Engr. Iftikhar Ahmad, Business Manager PEC visited Benazir International Airport, Islamabad on September 13, 2012. The delegation was given a detailed presentation by Engr. Muhammad Usman Akram, Deputy Project Manager, Benazir International Airport Project, covering the overview and other salient features of the project. Thereafter, the delegates were taken to the site for on the spot study of the various segments of the project.

2. International Workshops

- a) **Participation in the 21st ICID Congress on Irrigation and Drainage, 8th International Micro-Irrigation Congress, & 62nd IEC Meeting October 15-23, 2011 in Tehran, Iran**

A 2-Member delegation of Pakistan Engineering Congress comprising Engr. Husnain Ahmad, Immediate Past President / Vice-President (ICID), and Engr. Foad Hussain Young Professional Engineer / Member Executive Council attended the above cited conference. On the occasion, a “Memorandum of Understanding” was signed between Pakistan Engineering Congress and IRANCID for bilateral cooperation in the “International Research Programme on Irrigation and Drainage/Iran Regional Node for Central Asia and Middle East”.

- b) **63rd IEC Meeting and 7th Asian Regional Conference on “Regional Co-operation for Water and Food Security from 24-29 June, 2012 at Adelaide, Australia**

A 2-member delegation of Pakistan Engineering Congress comprising Engr. Husnain Ahmad, Immediate Past President / Vice-President (ICID), and Engr. Syed Mansoob Ali Zaidi, Vice President (PEC) participated in the above mentioned conference. More than 500 delegates from 56 countries were gathered to attend the conference. Over 200 speakers discussed pertinent issues related to irrigation including, integrated water management, modernization, drainage, environment, agriculture, horticulture, economics and flood management.

- c) **International Workshop on Technological Advances and Challenges in Water Reclamation and Reuse from 8th to 9th December, 2011**

Engr. Riaz Ahmad Khan President (PEC) alongwith a number of members of the Congress attended the International Workshop on Technological Advances and Challenges in Water Reclamation and Reuse from 8-9, December, 2011 at School of Civil and Environmental Engineering (NUST), Islamabad.

3. Technical Lectures arranged

- a) **Lecture on the Topic of “Nanotechnology and Progress in Development of Nanomaterials**

Pakistan Engineering Congress arranged a lecture on the topic of “Nanotechnology and Progress in Development of Nanomaterials” by Prof. Dr. Fazal Ahmad Khalid (S.I) Pro-Rector (Academic), Ghulam Ishaq Khan Institute of Engineering Sciences and Technology at Congress Headquarter on January 21, 2012. An elite gathering evinced keen interest in the lecture.

- b) **Lecture on the Topic of “Diagnostic of Floods in Pakistan – Managing the Avoidable and avoiding the unmanageable”**

The lecture on “Managing the avoidable and avoiding the unmanageable, was given by Dr. Muhammad Shahbaz Khan, Chief Water and Sustainable Development Section, UNESCO, Paris-France on June 19, 2012. The lecture was well attended and widely covered by the Electronic/Print Media.

4. World Water Day on the Theme of “Water and Food Security”

Pakistan Engineering Congress observed World Water Day on 24th March 2012 at its Mashhadi Hall. The theme was “Water and Food Security”. 9 Technical Papers were presented by eminent Water Resources Irrigation experts.

5. World Environment Day on the theme of “Green Economy-Does it include you?”

The Congress observed World Environment Day 2012 on the theme of “Green Economy-Does it include you?” 11-Papers were presented by Environmentalists, Meteorologists, Water and Agriculture Resources Experts.

6. Congress Members

The number of members during the session has reached 4860 which on the conclusion of the last session was 4596.

7. Scholarships

Pakistan Engineering Congress is pursuing a robust and sustained programme of facilitating Graduate Engineering Studies at Engineering Universities on all Pakistan basis.

Recently, the Congress announced further 100 Scholarships of Rs. 4000 per month. In this connection, the overall position of Scholarships instituted so far is given below.

Summary of Scholarships Awarded

28/8/2012

Description	Years						Total
	2005-06	2006-07	2007-08	2009-10	2010-11	2011-12	
Years	2005-06	2006-07	2007-08	2009-10	2010-11	2011-12	
Nos. of Scholarships	20	41	83	100	100	100	444
Amount per month	Rs.2,000	Rs.2,000	Rs.2,500	Rs.3,000	Rs.3,000	4,000	
Status	Completed	Completed	Completed	3-Years completed	2nd Year in progress	Just Started	

8. Liaison with International Organizations

i) International Commission on Irrigation and Drainage (ICID)

Pakistan is a member of the august International Commission on Irrigation and Drainage (ICID) which has the membership of 110 countries. Pakistan Engineering Congress delegations have been participating actively in its IEC meetings/conferences held at Delhi, Indonesia, Iran and Australia etc. At the 62nd IEC Meeting held in October, 2011, in Tehran, Iran, a “Memorandum of Understanding” was signed between Pakistan

Engineering Congress and IRANCID for bilateral co-operation in the “**International Research Programme on Irrigation & Drainage/Iran Regional Node for Central Asia and Middle East**”.

ii) **Institution of Civil Engineers (ICE) UK**

Although there is no agreement with this important organization, Pakistan Engineering Congress and Institution of Civil Engineers (ICE) UK continue to exchange publications at regular basis. Publications received from them have been placed in the Congress Library.

iii) **American Society of Civil Engineers (ASCE)**

Pakistan Engineering Congress and American Society of Civil Engineers (ASCE) have agreed in principle to enter into an agreement for exchange of publications/visits etc. An agreement is on the way from America for formal signing. No costs are involved.

iv) **JURUTERA – A monthly bulletin of the Institution of Engineers, Malaysia**

Pakistan Engineering Congress and the Institution of Engineers, Malaysia are in constant contact with each other. The Monthly Journals of the institutions are being received regularly. Congress is furnishing its publications to them.

CENTENARY CELEBRATION

Pakistan Engineering Congress (1912- 2012)

Pakistan Engineering Congress is completing its 100-years of glorious existence in the current year. This calls for befitting celebrations. Accordingly a series of events will be held to celebrate it in a manner commensurate with the status of the Congress as a prestigious and the oldest engineering body.

History of the Congress (1912-2012)

The history of the Congress was published in 1987 covering the period 1912 (date of inception of the Congress) till 61st Annual Session. It is being updated till to date and will be published in two volumes, covering the period 1912-2012.

Proceedings papers

25 Proceeding papers of high technical quality on diverse engineering problems of all disciplines will be published in a book form and will be presented at the event.

Report from Private & Public Organizations

It is proposed to issue a “Special Publication” containing the achievements of the leading Public/Private sector Engineering Organizations.

Book of Gold Medal Papers

Summaries of the papers that were awarded Congress Medals after 1987 have been prepared. These will be published along with the earlier papers (issued earlier in a book form).

Annual Symposium

Annual Symposium titled “**Emerging Phenomena: Untimely Rains / Floods 2011 in Pakistan**” will be held on the second day of the event. Six papers relevant to the subject have been received. More papers are in Pipeline.

STORY OF 'PAKISTAN ENGINEERING CONGRESS' HEAD OFFICE BUILDING



Ever since its inception in 1912 “The Pakistan Engineering Congress” (then “Punjab Engineering Congress”) functioned without any office of its own. Its meetings used to be convened in the Railway Headquarters Office, Town Hall, PWD Secretariat or elsewhere according to the convenience of the President. It gradually flourished into an eminent technical forum for the engineers and made significant contributions to the promotion of professional excellence in engineering. After Pakistan emerged as an independent Islamic State in 1947, the Congress records were stacked in one of the rooms of the Punjab Irrigation Secretariat. The meetings still continued to be held in the office of the session Presidents.

The unprecedented flood in the River Ravi during 1955 ravaged the Congress records and for the first time acute need was felt for having a proper headquarters building in Lahore for the Engineering Congress. In pursuance of this objective a piece of land measuring 6 Kanals and 12 Marlas was purchased from the Lahore Development Authority on 30.12.1965 near Liberty Market, Gulberg-III, Lahore for a sum of Rupees Eighty thousand raised by the then Executive Council. This land was contiguous to the plot purchased by the Institution of Engineers Pakistan and was transferred to the Congress in 1972. The National Engineering Services Pakistan offered free professional services in preparing the design of the building and through the personal efforts of Engr. Ch. Mazhar Ali, a sizeable sum of Rs. 19 Lacs was raised through contributions mostly from the nationalized public sector organizations. The work of construction was started in 1976, and the National Construction Company offered to work on no-profit basis.

However, much more funds were required to take the building to a reasonable state of completion. At this stage Engr. Ch. Mazhar Ali, then working as Chairman of State Cement Corporation of Pakistan again offered tremendous support for completing the construction and fully air-conditioning the building by advancing an amount of about Rs. 28 Lacs to be adjusted against rent payments for three years after completion of the ground and first floors of this Headquarters Building to be rented by the State Cement Corporation.

The State Cement Corporation shifted their office to this building on October 1, 1978 and occupied an area of 17, 500 sq. feet of the two floors. An area of 1,900 sq. ft. in the basement was left out and was completed in June, 1983 when the Congress shifted its office under a roof which it could call as its own. The Headquarter building which is a resplendent testimony to the sacrifices, dedication and sustained hard work of the Congress stands as a proud monument now free from all encumbrances. The Congress has now its own Headquarters building and a permanent source of income. The engineers of Pakistan are proud of this landmark in their history. The engineering knowledge will spread from this Beacon of light and Hope for the benefit and prosperity of the common man.

It will be very appropriate to acknowledge the dedicated services of Engr. Ch. Mazhar Ali which have resulted in the construction of this building. Pakistan Engineering Congress entered a phase of "Self-Financing Organization". The rental incomes received were scrupulously utilized for the construction of 2nd and 3rd floors of the building, during the period Oct 1996 – May 1998, under the able leadership of Engr. Khalid Latif Khawaja, the then President of the Congress. Upon construction of these floors, the reference library of the Congress and the Computer College was accommodated on the 3rd floor. Moreover the rental incomes further stood augmented and the 4th floor of the Congress was added at a cost of approximately Rs. 10 million, during the period 2002-2004.

The construction of the 4th floor owed a lot to the dedicated services of the Convener of the Building Committee, Engr. Akhtar Abbas Khawaja, Co-Convener Engr. Khalid Javed and Engr. Ahmad Nadeem, Member Building Committee. The 4th floor is now the Headquarter of the Congress. It houses an Auditorium named "Mashhadi Hall", in recognition of the outstanding contribution of the Former President of the Congress, Late Engr. Syed Nazar Hussain Mashhadi (1998 – 2000). It is one of the best auditoriums in Lahore and almost all the Conferences/ Seminars of the Congress are held in this hall.

The Congress reference Library is also on this floor, which is open on all working days from 9:00 AM to 9:00 PM. There is also a well-equipped spacious Hall for the meetings of the Executive Council and other committees of the Congress. The Congress is now able to hold two International Conferences at a time at its Headquarter. In addition, the President's room and the Congress Secretariat are also at this floor.