

**PAKISTAN ENGINEERING CONGRESS**  
THE EXECUTIVE COUNCIL FOR THE 72nd SESSION

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Engr. Riaz Ahmad Khan

**Immediate Past President**

Engr. Husnain Ahmad (President 71st Session)

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1	Engr. R. K. Anver	9	Engr. Khalid Javed
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4	Engr. Shabbir Ahmad Qureshi	12	Prof. Dr. Ing. Syed Ali Rizwan
5	Engr. Pir Muhammad Jamil Shah	13	Engr. Faqir Ahmad Paracha
6	Engr. Syed Mansoob Ali Zaidi	14	Engr. Akhtar Abbas Khawaja
7	Engr. Dr. Izhar ul Haq	15	Engr. Muhammad Amin
8	Engr. Syed Saleem Akhtar		

**OFFICE BEARERS**

1.	Engr. Akhtar Abbas Khawaja	Secretary
2.	Engr. Najam Waheed	Joint Secretary
3.	Engr. Khalid Javed	Treasurer
4.	Engr. Ch. Foad Hussain	Publicity Secretary
5.	Engr. Iftikhar Ahmad	Business Manager

**EXECUTIVE COUNCIL MEMBERS**

1	Engr. Ch. Muhammad Rashid Khan	17	Engr. Capt. (R) M. Qadir Khan
2	Engr. Anwar Ahmad	18	Engr. Iftikhar ul Haq
3	Engr. Nayyar Saeed	19	Engr. Rana M. Aslam Chohan
4	Engr. Najam Waheed	20	Engr. Malik Ahmad Khan
5	Engr. Iftikhar Ahmad	21	Engr. Syed Anwar ul Hassan
6	Engr. Malik Ata ur Rehman	22	Engr. Zaffar Ullah Khan
7	Engr. Jamil Basra	23	Engr. Pervaiz Iftikhar
8	Engr. Ahmed Nadeem	24	Engr. Syed Nafasat Raza
9	Engr. Ijaz Ahmad Cheema	25	Engr. Muhammad Sharif Shah
10	Engr. Muhammad Ibrahim Malik	26	Engr. Muhammad Sarfraz Butt
11	Engr. Prof. Zia ud Din Mian	27	Engr. Sheikh Saeed Tahir
12	Engr. Ch. Foad Hussain	28	Engr. Syed Abdul Qadir Shah
13	Engr. Brig. Sohail Ahmad Qureshi	29	Engr. Tariq Iqbal Mian
14	Engr. Liaqat Hussain	30	Engr. Faisal Shehzad
15	Engr. Shaukat Ali Shaheen	31	Engr. Ch. Sarmad Akhtar
16	Engr. Ch. Aftab Ahmad Khan		

**COVER PHOTO**

**Gomal Zam Dam Pakistan's First Roller Compacted Concrete (RCC) Dam (133 m high)  
Design and Construction Supervision Services provided by a Consortium led by  
National Development Consultants (Pvt.) Ltd.**

## **A View of Islam Barrage**

## **A View of Shershah Barrage**

- **ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE CHIEF EDITOR, ENGINEERING NEWS PEC BUILDING, LIBERTY MARKET, GULBERG-III, LAHORE.**
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## WELCOME TO NEW MEMBERS

*The Executive Council of the Pakistan Engineering Congress approved Membership of the following new members into the Congress fold. The Engineering News congratulates all of them and welcomes them to Pakistan Engineering Congress*

### Members admitted on 28-01-2012

- |    |                                    |    |                                      |
|----|------------------------------------|----|--------------------------------------|
| 1  | Engr. Kamran Zulfiqar              | 18 | Engr. Syed Babar Hasan Naqvi         |
| 2  | Engr. Naseem Khan                  | 19 | Engr. Ayub Khawar                    |
| 3  | Engr. Mustansar Billah             | 20 | Engr. Syed Muhammad Qaisar Jamal     |
| 4  | Engr. Malik Amir Rifat Farhan Awan | 21 | Engr. Farooq Ahmad                   |
| 5  | Engr. Ali Zia                      | 22 | Engr. Muhammad Raza Brohi            |
| 6  | Engr. Umair Latif                  | 23 | Engr. Muhammad Nasir                 |
| 7  | Engr. Zeeshan Aslam                | 24 | Engr. Awais Ahmed                    |
| 8  | Engr. Israr Ahmad Khan             | 25 | Engr. Ubaid Ahmad Mughal             |
| 9  | Engr. Zubair Khaliq                | 26 | Engr. Muhammad Aamir                 |
| 10 | Engr. Qazi Talat Mahmood Siddiqui  | 27 | Engr. Junaid Mustafa                 |
| 11 | Engr. Imran Saleem                 | 28 | Engr. Muhammad Faisal Saeed          |
| 12 | Engr. Saqib Zulfiqar Butt          | 29 | Engr. Muhammad Farhan Arif           |
| 13 | Engr. Iqbal Masood Siddiqui        | 30 | Engr. Javed Ali                      |
| 14 | Engr. Amir Mehmood                 | 31 | Engr. Atif Bashir Ahmed              |
| 15 | Engr. Hafiz Muhammad Shoaib        | 32 | Engr. Muhammad Kamran Khalid         |
| 16 | Engr. Syed Iftikhar Ahmed          | 33 | Engr. Prof. Dr. Mohammad Riaz Moghal |
| 17 | Engr. Muhammad Azaz Khan           | 34 | Engr. Muhammad Sharif                |

## OBITUARIES

### May their souls rest in Peace

1. Engr. Asrar-ul-Haque Qureshi Former Vice President NESPAK, passed away on July 20, 2012.
2. Wife of Engr. R. K. Enver, passed away on December 18, 2012.
3. Engr. Hafeez Ullah Former Chairman Indus River Authority, passed away on August 15, 2012.
4. Engr. Ashfaq Hussan Eminent Engr. / Former Secretary Communication and Works Department of Pakistan, passed away on March, 2012.



## WELCOME TO NEW MEMBERS

*The Executive Council of the Pakistan Engineering Congress approved Membership of the following new members into the Congress fold. The Engineering News congratulates all of them and welcomes them to Pakistan Engineering Congress*

### Members admitted on 07-05-2011

- |    |                                  |    |                                  |
|----|----------------------------------|----|----------------------------------|
| 1  | Engr. Muhammad Aslam             | 37 | Engr. Mohammad Arslan Siddiqui   |
| 2  | Engr. Mohammad Irfan             | 38 | Engr. Mohammad Nabeel Aslam      |
| 3  | Engr. Khawaja Mansoor Sadiq Butt | 39 | Engr. Hammad Rehman Bhatti       |
| 4  | Engr. Mohammad Usman Ikram       | 40 | Engr. Asad Ullah Jan             |
| 5  | Engr. Sadat Waleed               | 41 | Engr. Mohammad Javed             |
| 6  | Engr. Mohammad Umar Mubarik      | 42 | Engr. Mohammad Asad Masood Hanif |
| 7  | Engr. Faisal Yasin               | 43 | Engr. Ahmad Mustafa              |
| 8  | Engr. Asad Ali Jawa              | 44 | Engr. Hafiz Mohammad Uzair Barry |
| 9  | Engr. Muhammad Parvaiz           | 45 | Engr. Mohammad Habib Ullah       |
| 10 | Engr. Rana Shahram Shaukat       | 46 | Engr. Ahsan Ghaffar              |
| 11 | Engr. Asdaq Ahtsham              | 47 | Engr. Kashif Younas              |
| 12 | Engr. Mohammad Azam Javed        | 48 | Engr. Hashim Hanif               |
| 13 | Engr. Abdul Ghaffar              | 49 | Engr. Muhammad Irfan             |
| 14 | Engr. Rao Abdul Ghaffar          | 50 | Engr. Kh. Haider Latif           |
| 15 | Engr. Nauman Beg                 | 51 | Engr. Mohammad Hanif Memon       |
| 16 | Engr. Shahid Mahmood             | 52 | Engr. Mohammad Umar Farooq       |
| 17 | Engr. Madiha Subhpoto            | 53 | Engr. Muhammad Sajid Nazir       |
| 18 | Engr. Adnan Ali Shad             | 54 | Engr. Mohammad Kamran Jalil      |
| 19 | Engr. Rashid Ahmed               | 55 | Engr. Rana Muhammad Hammad       |
| 20 | Engr. Faiza Naz                  | 56 | Engr. Syed Usman Ali             |
| 21 | Engr. Farhan Mudasar             | 57 | Engr. Syed Nabeel Ali Abbas      |
| 22 | Engr. Waqas Ali                  | 58 | Engr. Muhammad Azad              |
| 23 | Engr. Nazakat Ali Shah           | 59 | Engr. Syed Kamran Hussain Shah   |
| 24 | Engr. Mohammad Junaid Butt       | 60 | Engr. Syed Khawar Saeed          |
| 25 | Engr. Aziz-ur-Rehman             | 61 | Engr. Muhammad Abbas Ejaz        |
| 26 | Engr. Ishfaq Ullah Babar         | 62 | Engr. Zaki Ahmed                 |
| 27 | Engr. Mohammad Zaheer Ullah Khan | 63 | Engr. Ayyaz Ahmed Rasheed        |
| 28 | Engr. Mohammad Sohail Wali       | 64 | Engr. Imran Tariq                |
| 29 | Engr. Atif Masood Malik          | 65 | Engr. Imran Ahmad Raja           |
| 30 | Engr. Mohabbat Hussain           | 66 | Engr. Baber Sultan               |
| 31 | Engr. Hafiz Mohamamd Hanif       | 67 | Engr. Ahmad Ashraf               |
| 32 | Engr. Afzal Ahmad                | 68 | Engr. Syed Waqas Hussain         |
| 33 | Engr. Hafiz Kabir Ahmad          | 69 | Engr. Hassaan Javed              |
| 34 | Engr. Abaid Ullah Anwar          | 70 | Engr. Muhammad Suhail Khuwaja    |
| 35 | Engr. Sohail Ikramullah Butt     | 71 | Engr. Zeeshan Arshad             |
| 36 | Engr. Mohsin Syed                | 72 | Engr. Rubeel Afzal               |

### Members admitted on 04-06-2011

- |   |                             |   |                             |
|---|-----------------------------|---|-----------------------------|
| 1 | Engr. Abdullah Sand         | 5 | Engr. Ahmad Hussan          |
| 2 | Engr. Zeeshan Ahmed Sulahri | 6 | Engr. Muhammad Saadan Yasir |
| 3 | Engr. Usman Aslam           | 7 | Engr. Rashed Mehmood Khan   |
| 4 | Engr. Imran Yousaf          |   |                             |

### Members admitted on 25-06-2011

- |   |                                 |   |                      |
|---|---------------------------------|---|----------------------|
| 1 | Engr. Feroz Mahmood Baig        | 5 | Engr. Abdullah Hanif |
| 2 | Engr. Lt. Col Ashfaq Hussain    | 6 | Engr. Aftab Rasheed  |
| 3 | Engr. Major Sami Ullah          | 7 | Engr. Talha Faisal   |
| 4 | Engr. Major Ahmed Bin Afsar Jan | 8 | Engr. Mohsin Hassan  |

- |    |                                   |    |                             |
|----|-----------------------------------|----|-----------------------------|
| 9  | Engr. Ijaz Ahmed                  | 48 | Engr. M. Umair Ajmal        |
| 10 | Engr. Bilal Sharif                | 49 | Engr. Hafiz Muhammad Ikram  |
| 11 | Engr. Muhammad Shoaib Butt        | 50 | Engr. Muhammad Ijaz         |
| 12 | Engr. Iqra Bilal                  | 51 | Engr. Qazi Jwwad Ahmed      |
| 13 | Engr. Muhammad Tauseef Zafar      | 52 | Engr. Ayaz Waseem           |
| 14 | Engr. Usman Aqeel                 | 53 | Engr. Syed Ghazanfar Abbas  |
| 15 | Engr. Abdul Khaliq Junjo          | 54 | Engr. Syed Ashar Abbas      |
| 16 | Engr. Syed Sabbar Hussain Gillani | 55 | Engr. Muhammad Farhan Latif |
| 17 | Engr. Muhammad Salim Qureshi      | 56 | Engr. M. Usman Hashim Khan  |
| 18 | Engr. Col (R) Abid Hussain Shah   | 57 | Engr. Ehtesham Mehmood      |
| 19 | Engr. Hafiz Naveed Ahmad          | 58 | Engr. Qasim Shaukat Khan    |
| 20 | Engr. Muhammad Adnan Baber        | 59 | Engr. Rizwan Haider         |
| 21 | Engr. Hafiz Tajammal Farooq       | 60 | Engr. Hafiz M. Abdul Rashid |
| 22 | Engr. Muhammad Abdullah Chaudhary | 61 | Engr. Abdul Saboor Chohan   |
| 23 | Engr. Raza Riasat                 | 62 | Engr. Umer Khalil Dar       |
| 24 | Engr. Muhammad Saif Ullah         | 63 | Engr. M. Navid Asghar       |
| 25 | Engr. Liaquat Hussain             | 64 | Engr. Muhammad Asad         |
| 26 | Engr. Wasim Haider                | 65 | Engr. Fawad Abdullah        |
| 27 | Engr. Yasir Khan                  | 66 | Engr. Abdullah Hassan       |
| 28 | Engr. Umair Ahmad                 | 67 | Engr. Syed Asadullah        |
| 29 | Engr. Zeeshan Ashraf Sheikh       | 68 | Engr. Salman Arshad         |
| 30 | Engr. Muhammad Hasan Arif         | 69 | Engr. Muhammad Waheed Khan  |
| 31 | Engr. Hasan Jatala                | 70 | Engr. Hafiz Ata-ul-Mustafa  |
| 32 | Engr. Ahsan Masood                | 71 | Engr. Sajid Iqbal           |
| 33 | Engr. Mansoor Ellahi Nadeem       | 72 | Engr. Rao Shahrukh Suleman  |
| 34 | Engr. Gohar Khan                  | 73 | Engr. M. Saifullah Khan     |
| 35 | Engr. Khawaja Hassan Tahir        | 74 | Engr. Hafiz Khalid Hussain  |
| 36 | Engr. Adil Hameed Khan            | 75 | Engr. Mian Mohammad Younis  |
| 37 | Engr. Abeer Hamid                 | 76 | Engr. Muhammad Arshad       |
| 38 | Engr. Rehan Elahi                 | 77 | Engr. Khalid Shehzad        |
| 39 | Engr. Omair Asif Butt             | 78 | Engr. Mian Azhar Latif      |
| 40 | Engr. Junaid Mohsin Haq           | 79 | Engr. Asif Ali              |
| 41 | Engr. Muhammad Faizan Ali         | 80 | Engr. Nabeel Arif           |
| 42 | Engr. Rana Ahmad Raza             | 81 | Engr. Umair Sajjad Hashmi   |
| 43 | Engr. Faizan Faisal               | 82 | Engr. Mohammad Shafiq       |
| 44 | Engr. Muhammad Namaan Mustafa     | 83 | Engr. M. Naeem Akhtar       |
| 45 | Engr. Ahsan Nazar                 | 84 | Engr. Anwar Hussain Furrugh |
| 46 | Engr. Ahsun Mahmood               | 85 | Engr. Qaisar Rashid Hasan   |
| 47 | Engr. Mohsin Ahmad                | 86 | Engr. Naqi Iqbal            |

## **OBITUARIES**

### **May their souls rest in Peace**

1. Syed Mahboob Ali Zaidi an eminent educationist, elder brother of Engr. Syed Mansoob Ali Zaidi Vice President (PEC) passed away on 24th September, 2011.

2. Mother in Law of Engr. Ch. Muhammad Rashid Khan Past-President / Member Executive Council (PEC) passed away on 28th September, 2011.

3. Engr. Zaka-ud-Din brother of Engr. Prof. Zia-ud-Din Mian Past away on 14th October, 2011.

## **From the Editor's Desk**

At last we have succeeded in presenting to you another issue of your journal. Apparently it will look like the previous ones. While going through, you will feel a bit of difference. Unlike the previous issues which have always had in contents the papers pertaining to diversified fields of engineering, here you will find papers relating to environment alone. These papers are as matter of fact the ones presented on the World Environment Day Symposium that had been held on June, 2008 but we had not yet been able to publish as proceedings of the same. You will find the papers full of useful information & some of them quite thought provoking, calling upon us, the engineers to impress upon all in responsible positions not to ignore the all important issue of environment but rather pay attention to this hitherto badly neglected aspect.



## WELCOME TO NEW MEMBERS

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### Members admitted on 03-10-2008

- 1 Engr. Tariq Mahmood
- 2 Engr. Muhammad Junaid Shafique
- 3 Engr. Rana Haider Faruq

### Members admitted on 08-11-2008

- |                                   |                               |
|-----------------------------------|-------------------------------|
| 1 Engr. Abdul Majid               | 9 Engr. Tahir Jabbar          |
| 2 Engr. Rana Aftab Ahmad          | 10 Engr. Muhammad Tariq Nazir |
| 3 Engr. Syed Muzammil Abbas Shah  | 11. Engr. Humayun Murtaza     |
| 4 Engr. Muhammad Abid Aleem       | 12 Engr. Hannan Hafeez        |
| 5 Engr. Zila-Tahawar Shahbaz      | 13 Engr. Syed Moeen Khurshid  |
| 6 Engr. Muhammad Shahbaz          | 14 Engr. Muhammad Irfan Anwar |
| 7 Engr. Shahid Iqbal              | 15 Engr. Ch. Muhammad Waseem  |
| 8 Engr. Abdul Waheed Sattar Shami |                               |

### Members admitted on 03-01-2009

- |                                |                             |
|--------------------------------|-----------------------------|
| 1 Engr. Farhad Akhtar Chaudhry | 10 Engr. Abdul Basit        |
| 2 Engr. Zargham Abbas          | 11. Engr. Numan Afzal       |
| 3 Engr. Ahmad Buksh            | 12 Engr. Ahmad Abdullah     |
| 4 Engr. Shahid Abbas           | 13 Engr. Mubasher Hussain   |
| 5 Engr. Bilal Javed Iqbq       | 14 Engr. Muhammad Nasir     |
| 6 Engr. Hassan Iqbal           | 15 Engr. Ali Raza           |
| 7 Engr. Muhammad Faisal Naveed | 16 Engr. Fateh Sher         |
| 8 Engr. Noman Ashraf           | 17 Engr. Muhammad Atif Mian |
| 9 Engr. Muhammad Haseeb Khan   |                             |

### Members admitted on 24-01-2009

- |                             |                           |
|-----------------------------|---------------------------|
| 1 Engr. Muhammad Adnan      | 4 Engr. Mian Yaser Qayyum |
| 2 Engr. Yousif Aftab        | 5 Engr. Akhtar Rasul      |
| 3 Engr. Muhammad Asif Iqbal | 6 Engr. Muhammad Siddique |

### Members admitted on 21-03-2009

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| 1 Engr. Tauqir Ahmad Qureshi          | 12 Engr. Haseeb Iftkhar             |
| 2 Engr. Muhammad Naeem Iqbal          | 13 Engr. Zahid Sattar               |
| 3 Engr. Muhammad Adil Zafar           | 14 Engr. Muhammad Bilal Zafran Qazi |
| 4 Engr. Lt. Col. Islam-ul-Haq (Retd.) | 15 Engr. Usman Ghani Jamil Ahmad    |
| 5 Engr. Muhammad Zahid Islam          | 16 Engr. Atta Muhammad              |
| 6 Engr. Muhammad Qasim Nasir Butt     | 17 Engr. Muhammad Imran Shahzad     |
| 7 Engr. Dr. Arshad Ali Amjad          | 18 Engr. Noman Ali Mumtaz           |
| 8 Engr. Muhammad Tariq                | 19 Engr. Sardar Ali sheikh          |
| 9 Engr. Aftab Ahmad Soomro            | 20 Engr. Waqqas Asif                |
| 10 Engr. Imran Aslam                  | 21 Engr. Sadiq Hussain              |
| 11. Engr. Raja Ahmad Hassan           | 22 Engr. Imran Ali Ahmad Shah       |

### Members admitted on 03-10-2008

- 1 Engr. Muhammad Muneeb Khan
- 2 Engr. Zeeshan Mustafa Maan

## **OBITUARY**

### **May their souls rest in Peace**

1. Mother of Engr. Muhammad Ibrahim Malik Member Executive Council passed away on 9th December 2008.

2. Engr. Izhar-ul-Hassan Siddiqui Chairman Engineering Associates Karachi passed away on 25th November 2008.

3. Engr. Abdul Hamid Arif Chief Engineer Irrigation Department Government of Punjab.

4. Engr. Nisar Ahmad Malik S.E. Upper Chenab Circle I & P Department Punjab died in a sad accident.

## **WELCOME TO NEW MEMBERS**

*The Executive Council of the Pakistan Engineering Congress approved Membership of the following new members into the Congress fold. The Engineering News congratulates all of them and welcomes them to Pakistan Engineering Congress*

### **Members admitted on 03-07-2008**

- |   |                              |    |                              |
|---|------------------------------|----|------------------------------|
| 1 | Engr. Imran Ali              | 7  | Engr Major Iftikhar Bin Niaz |
| 2 | Engr. Moeed Qadir            | 8  | Engr. Muhammad Zubair Asifi  |
| 3 | Engr. Muhammad Aslam Khokhar | 9  | Engr. Lt. Col. Anwar-ul-Haq  |
| 4 | Engr. Bilal Ahmad            | 10 | Engr. Maj. Khurshid Hussain  |
| 5 | Engr. Imran Shahid           | 11 | Engr. Anwar-ul-Haq Bloch     |
| 6 | Engr. Muhammad Imtiaz-ul-Haq |    |                              |

### **Members admitted on 26-08-2008**

- |   |                     |   |                     |
|---|---------------------|---|---------------------|
| 1 | Engr. Aftab Ahmad   | 5 | Engr. Sehar Shahzad |
| 2 | Engr. Asim Nasim    | 6 | Engr. Imran Tahir   |
| 3 | Engr. Khurram Aftab | 7 | Muddassar Mahmood   |
| 4 | Engr. Saad Nazir    | 8 | Engr. Awais Safder  |

### **Members admitted on 26-09-2008**

- |   |                            |   |                             |
|---|----------------------------|---|-----------------------------|
| 1 | Engr. Muhammad Khalid Shad | 5 | Engr. Usman Sajjad          |
| 2 | Engr. Muhammad Aurangzeb   | 6 | Engr. Muhammad Adil Masroor |
| 3 | Engr. Hesham Arshad Baig   | 7 | Engr Islam Mustafa          |
| 4 | Engr. Aamir Iqbal Khan     |   |                             |

## WELCOME TO NEW MEMBERS

*The Executive Council of the Pakistan Engineering Congress approved Membership of the following new members into the Congress fold. The Engineering News congratulates all of them and welcomes them to Pakistan Engineering Congress*

### Members admitted on 03-07-2008

- |   |                              |    |                              |
|---|------------------------------|----|------------------------------|
| 1 | Engr. Imran Ali              | 7  | Engr Major Iftikhar Bin Niaz |
| 2 | Engr. Moeed Qadir            | 8  | Engr. Muhammad Zubair Asifi  |
| 3 | Engr. Muhammad Aslam Khokhar | 9  | Engr. Lt. Col. Anwar-ul-Haq  |
| 4 | Engr. Bilal Ahmad            | 10 | Engr. Maj. Khurshid Hussain  |
| 5 | Engr. Imran Shahid           | 11 | Engr. Anwar-ul-Haq Bloch     |
| 6 | Engr. Muhammad Imtiaz-ul-Haq |    |                              |

### Members admitted on 26-08-2008

- |   |                     |   |                     |
|---|---------------------|---|---------------------|
| 1 | Engr. Aftab Ahmad   | 5 | Engr. Sehar Shahzad |
| 2 | Engr. Asim Nasim    | 6 | Engr. Imran Tahir   |
| 3 | Engr. Khurram Aftab | 7 | Muddassar Mahmood   |
| 4 | Engr. Saad Nazir    | 8 | Engr. Awais Safder  |

### Members admitted on 26-09-2008

- |   |                            |   |                             |
|---|----------------------------|---|-----------------------------|
| 1 | Engr. Muhammad Khalid Shad | 5 | Engr. Usman Sajjad          |
| 2 | Engr. Muhammad Aurangzeb   | 6 | Engr. Muhammad Adil Masroor |
| 3 | Engr. Hesham Arshad Baig   | 7 | Engr. Islam Mustafa         |
| 4 | Engr. Aamir Iqbal Khan     |   |                             |

### Members admitted on 26-10-2008

- |   |                                |   |                         |
|---|--------------------------------|---|-------------------------|
| 1 | Engr. Tariq Mahmood            | 3 | Engr. Rana Haider Faruq |
| 2 | Engr. Muhammad Junaid Shafique |   |                         |

### Members admitted on 08-11-2008

- |   |                                 |    |                            |
|---|---------------------------------|----|----------------------------|
| 1 | Engr. Abdul Majid               | 9  | Engr. Tahir Jabbar         |
| 2 | Engr. Rana Aftab Ahmad          | 10 | Engr. Muhammad Tariq Nazir |
| 3 | Engr. Syed Muzammil Abbas Shah  | 11 | Engr. Hamayoun Murtaza     |
| 4 | Engr. Muhammad Abid Aleem       | 12 | Engr. Hannan Hafeez        |
| 5 | Engr. Zila-Tahawar Abbas        | 13 | Engr. Syed Moeen Khurshid  |
| 6 | Engr. Muhammad Shahbaz          | 14 | Engr. Irfan Anwar          |
| 7 | Engr. Shahid Iqbal              | 15 | Engr. Ch. Muhammad Waseem  |
| 8 | Engr. Abdul Waheed Sattar Shami |    |                            |

## OBITUARY

### May his soul rest in Peace

Mother of Engr. Muhammad Ibrahim Malik, Member of Executive Council passes away on December 9, 2008.

Engr. Azhar-ul-Hassan Siddiqui, Chairman Engineering Associates, Karachi passed away on 25th November, 2008.

## **Editorially Speaking !**

Awareness about environmental degradation is of course need of the hour & we also seem to have realized that to some extent. Establishment of Environment Protection Departments & Authorities, introduction of courses or degree programs in the universities & holding of seminars on the subject does indicate that we are seized of the issue. Industrial & non industrial projects in both public as well as private sectors are now analyzed by these agencies & their likely impact on environment assessed before they are launched. But many a time one is forced to think that perhaps we are going too far & in the process leaving behind some very basic issues related to environment at our own level. Like elsewhere in the world, use of heavy weight terms like global warming, ecological cycle, green house, ozone layer, biodiversity & many more of the type is quite common with our environment experts also & their repeated mention has almost become a fashion. No doubt the problems related to these aspects are enormous & could prove to be disastrous in the long run. But while thinking of future long term damages to the environment we seem to be neglecting our present day to day environment related problems that are every moment harming all of us. As an example, in view of being a potential hazard to environment objections are quite often raised on some big industry proposed to be set up somewhere or even construction of an otherwise much needed dam. This might be done of course in right earnest, but what about so many mini industries that are flourishing in the thickly populated areas, manufacturing various items & materials. These so called factories give out pungent odor & produce noise of many decibels making the life of the neighbors miserable. Filth containers full of rotten waste of all kinds with the contents spilling over on the streets are a common sight in our towns. Particles of this waste get mixed up with the air that we are forced to inhale. Storm Water channels have been transformed into sewage drains, oozing out nauseating smell & dangerous gases. Not long ago it was reported in the press that the gases emanating from one such drain passing through erstwhile a posh locality badly damaged the rubber linings of the air conditioners installed on the buildings close to the drain. One just shudders to imagine what havoc these effluent gases would be playing with the health of the residents & passers by of the area. Don't these issues relate to environment?

One can go on counting & counting such issues, but the point to ponder is that shall we keep our eyes closed to these problems? Is it not the duty of all of us, engineers & environment experts to look into this aspect and pay more attention to this than what we are presently doing?

## MEET THE NEW PRESIDENT

Engr. Husnain Ahmad the newly elected President was born at Pasrur, district Sialkot in 1963. He was primarily schooled at Lahore till his graduation from the University of Engineering & Technology (UET), Lahore. From UET Lahore, he acquired Bachelor and Master Degrees in Civil Engineering. During his stay at UET, he also held University Colour for representing the University in Rifle Shooting Competitions and remained student's representative throughout his tenure.

After graduation, he started his professional career by joining Communication and Works Department, Government of the Punjab in 1989 as Assistant Executive Engineer / Assistant Project Manager, yet, he continued improving his educational qualifications and earned many distinctions. He was also awarded the Britannia Chevening Scholarship. During his stay in UK he earned Master Degree in Business Administration from Cardiff Business School, University of Wales and acquired the fellowship of Institute of Professional Financial Managers, London. His continued endeavour for improving his academic excellence inspired him to have Master Degree in Computer Sciences. His research aptitude made him author of more than eight technical refereed publications. He has also been awarded the Congress medal for co-authoring a paper on the topic : "USE OF ENVIRONMENTAL FRIENDLY FINELY DIVIDED MATERIALS IN BRITTLE MATRIX COMPOSITES".

Besides rich scholastic credentials, he has a remarkable diversified experience of serving in various organizations. He supervised construction of various prestigious buildings such as Pediatric Hospital Lahore and highways projects, such as Saggian Ravi Bridge and construction of over 400 kilometers of roads. He also headed Information Technology Department (ITD) of City District Government Lahore (CDGL) where he remained instrumental in

planning and developing a vision for IT department and contributed significantly in getting Lahore declared as one of the first e-districts of Pakistan. He was also the first Project Director of the University of Veterinary and Animal Sciences, Lahore where he helped in envisaging the developmental needs and initiating practical execution of construction activities for developing the needed facilities.

Apart from his brilliance in academics and professional pursuits, he not only participated in social activities but also possess a unique honour of representing his equals as well as community at all levels. During his stay at University of Wales, his efforts for the promotion of multi racial culture and image building of Pakistan were widely acknowledged. He also had the honour of getting elected as President Pakistani Students Society, National Union of Students UK. He has a large number of features in his cap, such as Member Chartered Institute of Marketing, UK. Life member Pakistan Engineering Council, Member of Executive Council, Institute of Engineers, Pakistan. Elected Vice President Britannia Alumni Association of Pakistan (BAAP) and life Member Old Uetians Association.

Ever since Mr. Ahmad came into the fold of Congress in 1991, he actively participated and made untiring efforts in uplifting of and promotion of the Congress. He served Congress as Treasurer, Business Manager and contributed in its various committees, such as, Public Relations, Welfare of Engineers, Symposium Professional Activities, Library and Publications, Constitution and Bye-laws, Building and Fund Raising, apart from convening Membership, Administration and Finance Committees. He was also elected as Vice President of the Congress during the 70th Session. Last but not the least, Mr. Husnain Ahmad is the ever youngest President of the Congress during 94 years history since its creation.

## WELFARE OF ENGINEERS

In keeping with the objective of the Pakistan Engineering Congress of promoting science, profession and practice of engineering, the executive Council of this August Body has Instituted 60 Nos. Scholarships for Graduate Level

Engineering studies and 16 Nos. for Post-Graduate studies at Rs. 2,000/- per month each for the whole study period as under. The unique feature is that the numbers of scholarships tabled below are being increased appreciably from year-to-year.

### GRADUATE LEVEL

Sr. No.	Name of University / Institute	Number of Scholarships
1	University of Engineering and Technology, Lahore	9
2	University of Engineering and Technology, Taxila	9
3	Baha-ud-Din Zakria University Multan College of Engineering and Technology	3
4	<b>Punjab University</b> Institution of Chemical Engineering and Technology, Punjab University New Campus, Lahore	3
5	National University of Sciences and Technology (NUST) Military College of Signals, Rawalpindi	3
6	NED University of Engineering and Technology, Karachi	6
7	Mehran University of Engineering and Technology, Karachi	6
8	Sir Syed University of Engineering and Technology, Karachi	3
9	Quaid-e-Awam University of Engineering and Technology, Nawabshah	3
10	NWFP University of Engineering and Technology, Peshawar	6
11	GIK Institute of Science and Technology Topi (Swat)	3
12	Balochistan University of Engineering and Technology, Khuzdar	3
13	Ali Ahmad Shah University of Engineering and Technology, (Mirpur) AJK	3
<b>Grand Total</b>		<b>60</b>

### POST-GRADUATE LEVEL

Sr. No.	Name of University / Institute	Number of Scholarships
14	University of Engineering and Technology, Lahore	5
15	NWFP University of Engineering and Technology, Peshawar	2
16	University of Engineering and Technology, Taxila	4
17	NED University of Engineering and Technology, Karachi	2
18	Mehran University of Engineering and Technology, (Jamshoro)	2
19	Balochistan University of Engineering and Technology, Khuzdar	1
<b>Grand Total</b>		<b>16</b>

- ❖ The Congress is also awarding Scholarships for the Education of the Children of deceased Engineers facing financial hardships. The amount of scholarship is Rs. 2,000/- per child capped at Rs. 5,000/- per month depending upon the pecuniary conditions of the families of departed Engineers.
- ❖ The Congress has given a donation of Rs. 5 Lac towards the fund for Liver Transplant in China of Engr. Capt (R) Latafat Qaseem Executive Engineer, of Irrigation and Power Department Govt. of the Punjab. He is suffering from Liver Cancer and Transplant Facility available in China is by far most economical.
- ❖ The Multi-purposes Mashhadi Hall (i.e. Auditorium) of the Congress located at 4th Floor of its Building named after Past President Engr. Syed Nazar Hussain Mashhadi in recognition of his services to the Engineering Congress is undergoing renovation / alternation to be able to cater for all its activities in it. It is being propely carpeted, Air Conditioned and equipped with multi-Media / LDC etc.
- ❖ The Congress has extensive Programme for holding Lectures on current issues concerning Engineers / Engineering Profession.

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## **NATIONAL TRADE CORRIDOR IN THE REGIONAL AND GLOBAL CONTEXT**

Dr. Engr. Asad Ali Shah, Member Infrastructure and Energy Planning Commission, Govt. of Pakistan delivered lecture on “National Trade Corridor in the Regional and Global Context” at Pakistan Engineering Congress Headquarter on February 17, 2007. The lecture was largely attended in the jam packed Multi-purpose Hall of the Congress.

The learned speaker eloquently spoke on the concept of National Trade Corridor / its objectives.

He said that performance of the transport system in Pakistan has not been up to the mark with economic losses from congestion and poor quality roads and mismatch between supply and demand for transport services and supporting infrastructure. The logistic constraints are impact competitiveness of the country's trade and industrial development. The conventional system, documentation clearance, movement facilitation and electronic data interchange has yet to be modernized to international levels. These inefficiencies are resulting in increasing the cost of business. Constraining economic growth, reducing export

competitiveness, and hindering social development. It is estimated that these inefficiencies are imposing a cost to the economy in excess of Rs. 220 billion annually or 3.5% of the GDP.

He added that in order to cope with the situation, a major initiative namely the “National Trade Corridor (NTC)” has launched to address the entire logistics chain in a holistic manner and revamp transport sector including ports and shipping, roads, railway, trucking, aviation and trade facilitative measures. The NTC initiative is in line with Medium Term Development Framework (MTDF 2005) strategy, which includes establishment of a multi-modal transport system ; emphasis on as management with consolidation upgrading, rehabilitation and maintenance of the existing system enhanced private sector participation in sector development and institution capacity building research and development and use of modern technology, procedures and processes to increase efficiency. The strategy also incorporates measures for enhancing regional connectivity through road, aviation and shipping sub-sectors to improve North-South and East-West trade



links with Central Asian States, Iran, Afghanistan, India and Europe and development of energy and industrial corridors with these countries.

Talking about the objectives of establishment of NTCMU and TTFU, he said that the objective of the Project is to provide overall technical leadership and coordination with line ministries and other organizations in undertaking measures / reforms project to improve the logistics system that would lead to reducing the cost to trade and business in the country. Focusing on improving the infrastructure sector, services and streamline procedures, the proposed NTC and TTF components will :

1. Enable institutions of the infrastructure sector conduct project and studies and project preparation activities in a timely manner and in line with international standards and best practices.
2. Ensure implementation readiness of the infrastructure projects.
3. Improve institutional capacities within the infrastructure agencies to meet business management and process changes as required by

recent sector policies, reforms regulatory agencies.

4. Work with the private sector to improve in-house logistics.

He went on to say that the technical assistance will further enhance the internal capacity of infrastructure agencies develop a project program and implement identified projects successfully. The proposed steps will ultimately build intellectual leadership and also enhance the productivity of all those involved in Trade and Transport Facilitation.

He concluded that the crux of the talk was that with gigantic modernization of Ports, Roads, and Railway Net-Work Road and Freight Industry, State of Art Air-Terminals, Media and Communication expansion, under the "Trade and Transport Facilities Project" will usher in an economic revolution (in a period of 5 Years) in the country with "Gawadar" playing a pivotal Role. According to the speaker "Gawadar" will be one of the most advanced city of the World in a decade and a hub of economic development. A film on Gawadar was also shown.

The session was followed by questions from the audience which were elaborately answered by the speaker.

## **TARGETS SET FOR ACHIEVEMENT IN THE 2ND MEETING OF THE 71TH SESSION OF THE EXECUTIVE COUNCIL**

President PEC, informed the House, that he would greatly appreciate the In-Put of the members of Executive Council in respect the cardinal goals that ought to be achieved in 71th Session to make the Congress a progressive and vibrant organization. Engr. Iftikhar-ul-Haq suggested that all members of the Congress may be invited to convey their proposals in this respect.

Elaborating his vision for 71th Session, the President outlined some of the major objectives i.e.

- Membership Committee should embark on a well-planned

programme to visit Chief Engineers / Administrative Heads of various engineering departments / organizations and Faculty Members of Engineering Universities with the twin purpose of (a) introducing the congress and (b) increasing the Congress Membership.

- Building Committee may prepare a "Short Term" and a "Long Term" plan of maintenance / construction activities i.e. construction of Additional Block Cum Parking Lot in the existing premises (if feasible) or alternatively acquire additional Space / Building etc. for future use.



**HONORARIUM TO CONGRESS STAFF AS WELL AS OTHERS WHO  
WORKED DURING THE LAST ANNUAL SESSION WAS GRANTED  
AS UNDER IN RECOGNITION OF THEIR SERVICES TO THE  
PAKISTAN ENGINEERING CONGRESS**

Congress Personnel	Rs. 69200
Computer College Personnel of PEC	Rs. 10000
Personnel of NDC (Regd.)	Rs. 22000
Others for Receiving Congress Subscription / Election Duty etc. during the Session	Rs. 23500

**WELCOME TO NEW MEMBERS**

*The Executive Council of the Pakistan Engineering Congress approved  
Membership of the following new members in to the Congress fold. The  
Engineering News congratulates all of them and welcomes them to  
Pakistan Engineering Congress*

**Members admitted on 08-04-2006**

1 Engr. Zia ul Hassan Khan	8 Engr. Mian Nadir Qayyum
2 Engr. Muhammad Atif ur Rehman	9 Engr. Hafiz Muhammad Ramzan
3 Engr. Danish Rafique	10 Engr. Intizar Ali
4 Engr. Luqman Zaffar	11 Engr. Irfan Ullah
5 Engr. Muhammad Shafqat Khalid	12 Engr. Roshan Ali Bhatti
6 Engr. Mashood Ahmed	13 Engr. Khurshid Ahmad Mirza
7 Engr Muhammad Riaz Zahid	14 Engr. Naveed Abbas

**Members admitted on 20-05-2006**

1 Engr. Muhammad Usman Rashid	7 Engr. Muhammad Akbar Nawaz
2 Engr. Muhammad Shahzad	8 Engr. Muzaffar Abbas
3 Engr. Shafiq Ahmad	9 Engr. Atiq Ullah
4 Engr. Asif Hayat Bhatti	10 Engr. Ali Jawaid Ghuman
5 Engr. Zameer Hussain	11 Engr. Najamuddin Sheikh
6 Engr. Muhammad Tayyab Ahmad	

**Members admitted on 29-07-2006**

1 Engr. Arif Saeed	12 Engr. Ch. Muhammad Nadeem
2 Engr. Mian Babar Qayum	13 Engr. Muhammad Kashif Khan
3 Engr. Muhammad Saeed	14 Engr. Syed Abid Ali Abid
4 Engr. Muhammad Hamid Mahmood	15 Engr. Qasim Haq
5 Engr. Shahzad Ahmad	16 Engr. Muhammad Ashraf
6 Engr. Muhammad Asif	17 Engr. Hafiz Waqas Haider Shah
7 Engr. Naseer Ahmad Zia	18 Engr. Imran Ghani
8 Engr. Arshad Saeed Khan	19 Engr. Asrif Masood
9 Engr. Aamir Miandad	20 Engr. Syed Fayyaz Hussain
10 Engr. Nisar Ahmad	21 Engr. Amir Nadeem
11 Engr. Muhammad Yasir Malik	22 Engr. Muhammad Zaman Khan Dawer

### Members admitted on 21-10-2006

- |   |  |    |                             |
|---|--|----|-----------------------------|
| 1 | Engr. Hafiz Faisal Hassan Abid         | 9  | Engr. Muhammad Hafeez Khan  |
| 2 | Engr. Abdul Qayyum                     | 10 | Engr. Tanveer Afzal         |
| 3 | Engr. Syed Muhammad Zaier Abbass Zaidi | 11 | Engr. Syed Farrukh Ali Shah |
| 4 | Engr. Muhammad Farooq Azam             | 12 | Engr. Muhammad Asjad Ajfan  |
| 5 | Engr. Zeeshan Ali                      | 13 | Engr. Muhammad Shahbaz      |
| 6 | Engr. Usman Arif                       | 14 | Engr. Faiz-ul-Hassan Sipra  |
| 7 | Engr. Aataf Ahmed                      | 15 | Engr. Hassan Mohy-ud-Din    |
| 8 | Engr. Babar Saeed Sehole               |    |                             |

### Members admitted on 20-01-2007 (71st Session)

- |    |                               |    |                                       |
|----|-------------------------------|----|---------------------------------------|
| 1  | Engr. Asif Mahmood            | 23 | Engr. Zahid Majeed                    |
| 2  | Engr. Muhammad Afzal Mughal   | 24 | Engr. Ijaz Ahmad Bhatti               |
| 3  | Engr. Jahanzeb Afridi         | 25 | Engr. Mahmood Ahmad                   |
| 4  | Engr. Bilal Ahmed             | 26 | Engr. Aqil Inam                       |
| 5  | Engr. Muhammad Imran          | 27 | Engr. Aftab Ahmad Chaudhry            |
| 6  | Engr. Muhammad Aamir Iftikhar | 28 | Engr. Syed Salman Mazhar              |
| 7  | Engr. Sh. Saeed Ahmad         | 29 | Engr. Hafiz Haider Ali                |
| 8  | Engr. Nabil Haider            | 30 | Engr. Syed Muhammad Sajjad Hashmi     |
| 9  | Engr. Anzar Hussain Shah      | 31 | Engr. Muhammad Afzal                  |
| 10 | Engr. Aun Muhammad            | 32 | Engr. Arshad Chaudhry                 |
| 11 | Engr. Ch. Rashid Majeed       | 33 | Engr. Abdul Majeed Naveed             |
| 12 | Engr. Muhammad Saleem Shahid  | 34 | Engr. Atif Ameen Awan                 |
| 13 | Engr. Muhammad Zubair Asghar  | 35 | Engr. Muhammad Abu Bakr Khan Sherwani |
| 14 | Engr. Imran Sadiq Afridi      | 36 | Engr. Muhammad Umar Farooq            |
| 15 | Engr. Muhammad Mudassar Ali   | 37 | Engr. Muhammad Zaka Ullah Khan        |
| 16 | Engr. Abdul Qayyum            | 38 | Engr. Muhammad Akram                  |
| 17 | Engr. Muhammad Imran Malik    | 39 | Engr. Muhammad Bilal Ahmad            |
| 18 | Engr. Imran Rashid            | 40 | Engr. Umar Karim                      |
| 19 | Engr. Faisal Shoukat          | 41 | Engr. Muhammad Shahbaz Rasheed        |
| 20 | Engr. Shahid Mahmood          | 42 | Engr. Shoaib Ahmed Awan               |
| 21 | Engr. Muhammad Arshad         | 43 | Engr. Ali Mukhtar                     |
| 22 | Engr. Kashif Nadeem           |    |                                       |

## **CHANGE OF TELEPHONE NUMBERS OF PAKISTAN ENGINEERING CONGRESS**

1. Telephone Numbers.

The New Telephone Numbers of the Pakistan Engineering Congress are (the previous one's stand withdrawn).

(a) Congress Office

President PEC	042-5784237
Secretary PEC	042-5784237
Director (Admin. and Finance)	042-5784238
Congress Office	042-5784235
Congress Office (Fax)	042-5784236

(b) Computer College

Manager PEC Computer College	042-5784240
Computer College (Fax)	042-5784239

The President and Secretary can also be contacted on following phones.

President PEC	042-5861123 (Residence)
	042-5861508 (Residence)
Mobile #	0300-4340102
Secretary PEC	042-5843874 (Office)
Mobile #	0303-7313891

2. Any change in the designation/address of the members.

You are also requested to kindly inform the Congress Office about any change in your office/residential address etc.

3. Membership Cards.

The Congress has decided that its members should be issued Membership Cards (Renewal Cards). In case, you do not possess it please inform us. Also please arrange to deposit the Membership Fee if in arrears.

**THE FOLLOWING INFORMATION IS REQUIRED FOR UPDATING  
"MEMBER'S DATA"**

(Please fill up the followings)

M. No. (Congress) \_\_\_\_\_ M. No. (Council) \_\_\_\_\_

Name \_\_\_\_\_

Deptt./Org. \_\_\_\_\_

Telephone (Office) \_\_\_\_\_ Telephone (Residence) \_\_\_\_\_

Mobile No. \_\_\_\_\_ E-mail Address \_\_\_\_\_

Fax No. \_\_\_\_\_ Date of Birth \_\_\_\_\_

Discipline \_\_\_\_\_ District \_\_\_\_\_

Address Office \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Address Residence \_\_\_\_\_

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After completion of this Performa please return to Pakistan Engineering Congress  
Office 97-A/D-1, PEC Building, Liberty Market, Gulberg-III, Lahore-54660