

DECEMBER, 2013 Volume 17

**Chairman**

Engr. Hussain Ahmad Siddiqui

**Secretary**

Engr. Ashfaq Ali Shah

## 46<sup>th</sup> IEP Convention

*Engineers to come forward to resolve national issues – Engr. Khurram Dastgir*

The engineers should apply their expertise, capabilities and services to resolve the current issues of unemployment and shortage of energy the nation faces today.

This was stated by Engr. Khurram Dastgir Khan, Minister of State for Privatisation, Commerce & Textile Industry, while

He urged on the engineers to keep abreast with the latest global advancements in engineering and sciences, alongwith the local Research & Development, in the wake of changing scenario and scientific environments the world over.

Engr. Khurram Dastgir said that the government was committed to address the

## IEP Organizes “Entech Pakistan”

The Institution of Engineers, Pakistan (IEP) will organise an exhibition 'Entech Pakistan' from December 26 to 28 at Karachi Expo Centre, aiming at bringing manufacturers and buyers of engineering products on a single platform. The launching ceremony of ENTECH Pakistan was held on 29th November 2013 at a local hotel.

IEP President, Syed Jamshed Ali Rizvi said that Entech Pakistan was a full representation of Pakistan's Engineering Industry at a unique platform to exhibit wide range of products and services. He added “the scope of that exhibition was to provide manufacturers, suppliers and service providers from various engineering sectors to display their products both to the business buyers as well as end-users”.

He said Entech Pakistan was the ideal location to make new business contacts, solidify existing ones, initiate and conclude business transactions.

Chairman, IEP Karachi Centre, Engr. Farhat Adil said that research and development of the engineering sector helped government in strengthening economy and spurred business activities of different sectors including power, automobile, construction, civil, mechanical, chemical, textile and many more. He further said that engineering sector was the backbone of all the industries.



ISLAMABAD – Minister of State for Privatisation, Engr Khurram Dastgir Khan speaking at the Inaugural Session of 46<sup>th</sup> Convention of The Institution of Engineers, Pakistan (Business Recorder photo)

addressing the 46<sup>th</sup> IEP Convention held on September 21, 2013 at Hotel Margala, Islamabad. He was the Chief Guest for the inaugural session; which was attended by a large number of engineers from across the country, including IEP Members, Heads and Representatives of Engineering Organization and Professionals.

various economic challenges associating fully the local engineers and scientists.

The IEP Convention, held for the first time in Islamabad, was a successful event. The Convention comprised of Inaugural, Technical and Closing sessions. The day-long programme culminated with Closing session, chaired by Engr. Parvez Butt,

Ex-Federal Secretary, Ministry of Science & Technology and retired Chairman Pakistan Atomic Energy Commission (PAEC). He highlighted the salient features of the lectures/presentations made during the four technical sessions. All the technical as well as Closing sessions were followed by Qs&As by participants.

The successful Organizing of the IEP Convention has raised the image of IEP-RIC as all the Members, Guests, Session Chairmen and Speakers appreciated the efforts of IEP-RIC and particularly the contents of lectures /presentations. The activities of Convention also received good support from Media.



## 46<sup>th</sup> IEP Convention

### Engineers play vital role in national development – IEP President

It is imperative for the government to support Pakistani engineers enabling them to play their vital role in national development which will result in overcoming the economic challenges effectively.

These views were expressed by Engr. Syed Jamshed Ali Rizvi, President IEP on the

occasion of inaugural session of the 46th IEP Convention held on 21st September at Islamabad.

He was presenting the Welcome Address to the Chief Guest Engr. Khurram Dastgir Khan, Minister of State for Privatisation, Commerce and Textile Industry.



*Engr. Khurram Dastgir Khan, Minister for Privatisation expressing his views at inaugural session of 46th IEP Convention*



*Engr. S. Jamshed Ali Rizvi, President IEP presenting welcome address during 46th IEP Convention.*



*A Group Photo at 46th IEP Convention*

### IEP Contributions Lauded



*Engr. Sultan Mahmood, Secretary General IEP*



*Engr. Hussain Ahmad Siddiqui, Chairman IEP-RIC delivering the vote of thanks*



*A pictorial view of Audience at 46th IEP Convention*

Outlining the historical background of the Institution, he described the advancement of the IEP in recent years.

Engr. Mian Sultan Mahmood, Secretary General IEP, highlighted the aims and objectives of The Institution of Engineers, Pakistan and its contributions towards the practice and profession of Engineering.

Engr. Hussain Ahmad Siddiqui, Chairman IEP-RIC on behalf of The Institution of Engineers, Pakistan thanked the Chief Guest for gracing the occasion.

He also acknowledged the support & cooperation of President IEP, Secretary General IEP, IEP-RIC team members, Speakers, Guests and IEP Members for their participation and cooperation.



# The Institution of Engineers, Pakistan

**Rawalpindi-Islamabad Centre**

announces holding of

## ***“National Conference on Mechanical Engineering” in January 2014***

IEP Members are requested to send their Papers (soft and hard copies)  
latest by January 15, 2014 at the under mentioned address

Participation in the Conference shall only be through Registration on  
Payment of Rs. 1,000 for IEP Members and Rs. 1,500 for Non-Members  
in Cash or through Pay Order/Bank Draft in favour of IEP-Islamabad.

IEP Member Entrepreneurs may contact us for the release of  
their advertisements in *The Pakistan Engineer* and  
other related Publications.

### **THE INSTITUTION OF ENGINEERS, PAKISTAN**

**Rawalpindi-Islamabad Centre**

IEP Building, Plot No 12, Mauve Area, G-8/1, Islamabad - 44000

Ph: 92-51-2261979, 2281183, Fax: 92-51-2255771

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#### **Engr. Usman Adil is the new Vice Chancellor of Sir Syed UET, Karachi**

Engr. Usman Adil has recently been appointed Vice Chancellor of the Sir Syed UET Karachi, the first university of engineering and technology in private sector.

An eminent engineer, Engr. Usman Adil is the Vice President (Electrical, Electronics/Computer, Telecom & Aeronautical) of the Institution of Engineers, Pakistan.

#### **Engr. Dr. Gilani takes charge of Chairman HEC**

The government has appointed Engineer Syed Imtiaz Hussain Gilani as Chairman of the Higher Education Commission (HEC) on acting charge basis. He is the Vice Chancellor of the UET Peshawar.

Engr. Gilani is former Chairman of the Peshawar Centre of the Institution of Engineers, Pakistan.

#### **Engr. Dr. Syed Ismail Shah appointed Chairman PTA**

Engineer Dr. Syed Ismail Shah, till recently Member PTA, has been appointed Chairman, Pakistan Telecommunication Authority (PTA). He is son of Engr. Syed Ibrahim Shah, Member, IEP-RIC Local Council.

Engr. Ibrahim Shah is retired Additional Secretary, Ministry of Water & Power/Managing Director, Private Power & Infrastructure Board (PPIB).

#### **Inauguration of Engr. Abul Kalam Library**

NED University of Engineering & Technology, Karachi has named its Central Library after Engr. Abul Kalam, Ex-Vice Chancellor as a mark of appreciation for his selfless services to NEDUET.

The inauguration of Engr. ABUL KALAM LIBRARY was held on November 22, 2013 with Mrs. Abul Kalam as Chief Guest and attended by the friends of late Vice Chancellor, his colleagues and faculty.



## 48<sup>th</sup> Annual General Meeting held on 22<sup>nd</sup> & 23<sup>rd</sup> September, 2013 at IEP Rawalpindi- Islamabad Centre



*IEP Annual Report 2013, Budget Estimates of HQs & Centres and Audited Accounts for 2011-12 were presented during the 48th Annual General Meeting, and approved.*

### OBITUARY

The Editorial Board on behalf of IEP Rawalpindi-Islamabad Centre expresses profound grief on the sad demise of Engr. Amjad Hussain Malik, Vice-President (Civil), IEP and Ex-Chairman IEP, Rawalpindi-Islamabad Centre.

IEP Rawalpindi-Islamabad Centre Local Council during its 258th Meeting held on 9th November, 2013 paid tributes to the dedication, commitment and untiring efforts of Late Engr. Amjad Hussain Malik towards achieving the objectives of IEP. On the occasion, Chairman Engr. Hussain Ahmad Siddiqui readout excerpts from some of the condolence messages sent by IEP Office Bearers and Members.

May Almighty Allah grant Jannat-ul-Firdous to him and Sabr-e-Jameel to the bereaved family.





**The Express Tribune**  
September 22, 2013

## Overcoming energy crisis Engineers suggest a mix of alternative energy resources

**Term hydropower  
the best option.**

by WAQAS NAEEM  
ISLAMABAD

Engineers on Saturday recommended that the government invest in hydel power projects and indigenous production of small-scale power generation equipment to overcome the energy crisis.

The suggestions came on the sidelines of the 46th annual convention of the Institution of Engineers, Pakistan (IEP) and an accompanying technical seminar, "Exploitation of Indigenous Energy Resources including Hydel, Coal and Alternative Energy." Several engineers who attended the seminar favoured hydel power as the best long-term solution for the country.

"We should've built a dam every 10 years," said IEP member Col (ret'd) Khalid Mahmood, lecturer at Fatima Jinnah Women University, who emphasised the need for more dams.

Wapda engineer, Muhammad Idrees said two things that would help solve the power crisis are "more investment in hydel power projects and a stronger foreign policy to deal with regional water issues," adding that "hydropower is long-term and provides the cheapest tariff."

During the first technical session at the seminar, Lt Gen (ret'd) Muhammad Zubair,

chief executive officer of the Neelum-Jhelum Hydro Power Company, gave a talk on the progress of the project. Zubair said the timely completion of the project would reduce supply-demand gap and allow the government to beat the Indian claim on Neelum River's water rights. He also mentioned that the Heavy Mechanical Complex (HMC), Taxila, was manufacturing 16 megawatt (MW) hydropower plants.

Later, several participants commented that such indigenisation of machinery and technology should be promoted to reduce export dependency and create employment opportunities adding that HMC's 16MW solution would be ideal for run-of-the-river projects and electricity from such projects could serve local communities in off-grid solutions.

In another session, geologist Hasan Gauhar said, "Power generation from coal is unlikely to be cost-effective but it should be looked into."

Participants were of the opinion that coal-based power might not be eco-friendly but mitigation techniques could help minimise its negative impact. Pakistan should look at developing an efficient and cheap mix of alternative energy sources.

The IEP is a national organisation of professional engineers founded in 1948, with around 50,000 members.

## Central Council Meeting held at IEP Rawalpindi- Islamabad Centre

290th Meeting of IEP  
Central Council discussed  
matters related to the  
buildings of IEP Centres  
besides recommendations  
of various Standing  
Committees.

The Council approved  
various recommendations  
and took decisions on a  
number of agenda items.

The Meeting was attended  
by a large number of  
members.



## Nawa-i-Waqt September 22, 2013

## انجینئر ملکی ترقی و خوشحالی کے لیے اپنا کردار ادا کریں 'خرم دنگیر بجرائوں سے مننے کی کوشش کی جارہی ہے' سماجی انقلاب راتوں رات نہیں آسکتا

اسلام آباد (خصوصی رپورٹر) وطن عزیز کو بے سانس دالوں اور انجینئرنگ سے رہنمائی لے کر موجودہ روزگاری اور توانائی کے درجہ بھران سے نکالنے کیلئے پاکستانی انجینئر اپنی بھرپور صلاحیتیں بروئے کار لائیں، جسید علی رضوی صدر آئی ایف نے خطبہ استقبالیہ بدلتے ہوئے سماجی حالات اور بدلتی ہوئی دنیا میں مقامی ریسرچ کے ساتھ عالمی تحقیقات سے استفادہ بھی ضروری ہے۔ ان خیالات کا اظہار وزیر مملکت انجینئر خرم دنگیر نے آئی ٹی ٹی آف انجینئرز پاکستان کے 46 ویں سالانہ کنونشن اور سیمینار کے افتتاحی سیشن میں کیا۔ تقریب میں راولپنڈی/اسلام آباد سمیت ملک بھر سے انجینئرنگ ایسی ٹیونس سے وابستہ ماہرین اور انجینئر کی قابل ذکر تعداد شریک ہوئی۔ مہمان خصوصی خرم دنگیر نے کہا کہ حکومت راتوں رات سماجی انقلاب نہیں لاسکتی۔ تاہم حکومت

سائنس دانوں اور انجینئرنگ سے رہنمائی لے کر موجودہ سانس دالوں سے مننے کی کوشش کر رہی ہے۔ جسید علی رضوی صدر آئی ایف نے خطبہ استقبالیہ میں بتایا اس ادارے کا قیام 1948ء میں قائد اعظم محمد علی جناح کے دست مبارک سے ڈھاکہ میں ہوا۔ 1974ء میں اس کا ہیڈ کوارٹر لاہور منتقل ہوا۔ کراچی اسلام آباد/حیدر آباد سمیت ملک بھر میں ہمارے ادارے موجود ہیں۔ پاکستان انجینئرنگ کونسل کے ممبران کی تعداد 50 ہزار سے بڑھ گئی ہے۔ انہوں نے مطالبہ کیا کہ حکومت اگر پاکستانی انجینئرز کو سپورٹ کرنے کی پالیسی بنائے تو ہمارے سے بہت سے مسائل ختم ہو سکتے ہیں۔

## ATTENTION ENGINEERS

The Engineers, who were Members of IEP, Rawalpindi-Islamabad Centre and have defaulted on payment of Annual Subscription are informed that The Institution of Engineers, Pakistan has decided to waive off all arrears in respect of such Members, provided they become Life Members on payment of one time Life Membership Fee. For details, please contact:

Ph: 92-51-2261979, 2281183

Fax: 92-51-2255771

E-mail: iepislamabadcenter@gmail.com

## ATTENTION IEP-RIC MEMBERS

A large number of IEP-RIC Members, it has been observed, have changed their addresses and contacts. The same need to be updated to ensure effective communication with them. All such Members are requested to forward their updated addresses and contacts to:

IEP Building, Plot No 12

Mauve Area, G-8/1

Islamabad, Pakistan

Ph: 92-51-2261979, 2281183

Fax: 92-51-2255771

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## Speakers ask the government to focus on developing Coal and Hydro Power Generation

Speakers at the National Seminar on Indigenous Energy Resources asked the government to focus on developing coal, hydro and solar power generation to cut dependence on thermal generation which is quite expensive – affecting not only the general public but adding to the cost of doing business in the country.

Some of the suggestions for Short Term, included educating the masses on saving electricity, checking pilferage and line losses, setting up off-grid Solar/Biogas plants for villages, replacement of overload transformers, conversion of existing thermal plants to cheaper

fuels, approval of new constructions be subject to installation of 40% of demand to solar, street lights on solar energy etc.

In addition to Short Term measures, the government was urged to undertake Medium & Long Term measures, including but not limited to; retiring inefficient plants and Assets Rehabilitation; institutional reforms for good governance, Smart Metering and Smart Grid systems; Renewable Energy and Run-of-River power generation; fast track shift from furnace oil to coal; exploitation of the hydropower potential in the long term, etc.....

**The Institution of Engineers Pakistan, Rawalpindi-Islamabad Centre organized 'National Seminar on Indigenous Energy Resources' on the occasion of 46th IEP Convention held at a local hotel Islamabad on 21st September, 2013.**

**During the Seminar following papers were presented:**

**Construction of Neelum Jhelum Hydroelectric Project**  
by Lt Gen Muhammad Zubair (R) HI (M)  
Chief Executive Officer  
Neelum Jhelum Hydro Power Company

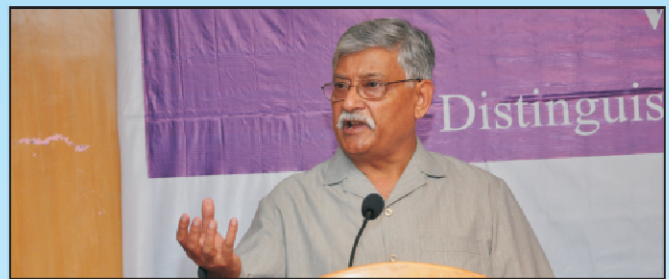
**Thar Coal: Beyond Confusion and Suspicion**  
by Syed Hasan Gauhar, Ex-Director General  
Geological Survey of Pakistan

**Potential for Developing Renewable Energy**  
by Engr. Mian Sultan Mahmood, Secretary General  
The Institution of Engineers, Pakistan

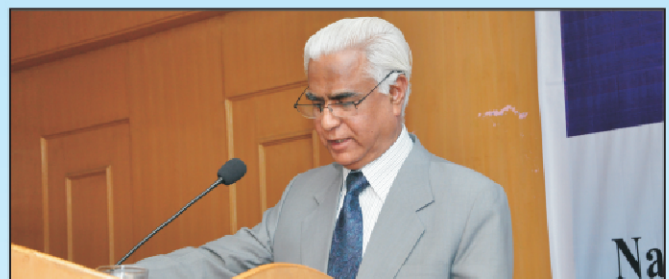
**Energy Efficiency – Mind the Gap**  
by Engr. Arjumund A. Shaikh, Chief Executive  
AK Telecom Consulting Group

**Indigenous Industrialization and Energy –  
The Missing Professional Pyramid**  
by Engr. Parvez Butt, Ex-Federal Secretary  
Ministry of Science & Technology

## Speakers at the National Seminar on Indigenous Energy Resources



*Lt Gen Muhammad Zubair (R)  
Chief Executive Officer  
Neelum Jhelum Hydro Power Company*



*Syed Hasan Gauhar  
Ex-Director General  
Geological Survey of Pakistan*



*Engr. Mian Sultan Mahmood  
Secretary General  
The Institution of Engineers, Pakistan*



*Engr. Arjumund A. Shaikh  
Chief Executive  
AK Telecom Consulting Group*



*Engr. Parvez Butt  
Ex-Federal Secretary  
Ministry of Science & Technology*