

PAKISTAN ENGINEERING CONGRESS 64TH ANNUAL SESSION

THE EXECUTIVE COUNCIL FOR THE 64TH SESSION (1989 – 90)

PRESIDENT

Engr. Shams ul Mulk

VICE PRESIDENTS

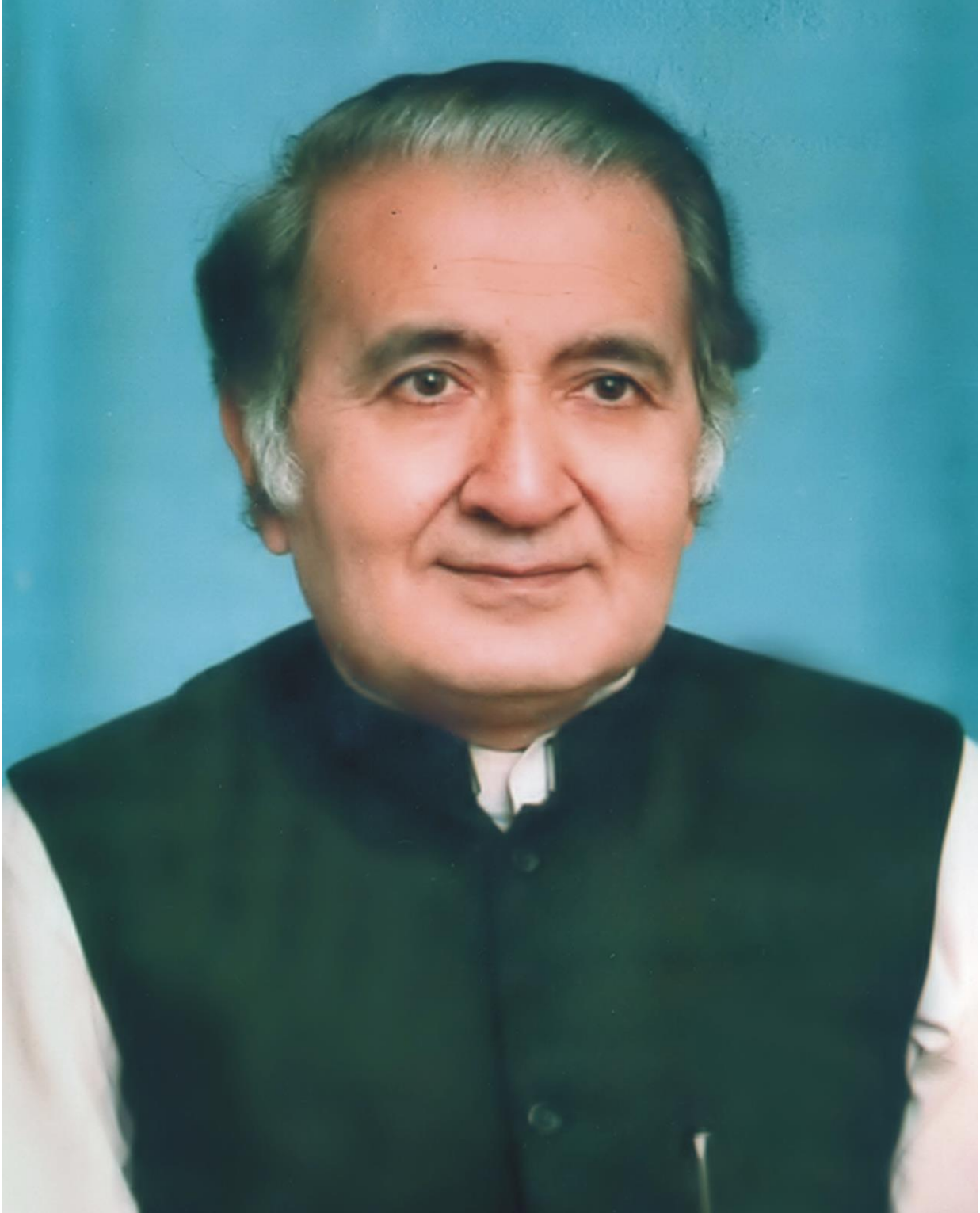
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| 2. Engr. Rana Khursheed Anver | 10. Engr. Rana Muhammad Saeed Ahmad Khan |
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| 20. Engr. Muhammad Saeed | 43. Engr. Bashir Ahmad Arain |
| 21. Engr. M. S. Khan | 44. Engr. Atta Jaffar |
| 22. Engr. Javed Ahmed Malik | 45. Engr. Zaheer Mirza |
| 23. Engr. S. M. A. Zaidi | 46. Engr. Javid Akhtar |



Engr. Shams ul Mulk,
President, 64th Session (1989 – 90)
Pakistan Engineering Congress

ADDRESS
OF
ENGR. SHAMS UL MULK
PRESIDENT, 64th Session (1989 – 90)
PAKISTAN ENGINEERING CONGRESS

Member & Managing Director (Water) WAPDA Mr. Shams ul Mulk was unanimously elected as the President of the PEC at the Annual Session held early this year. Let us glance at his outstanding record of professional career spread over three decades.

Having graduated from Punjab University of Engineering and Technology in 1954, he joined the then newly established West Pakistan Water and Power Development Authority. He has continued to remain in WAPDA Organisation thereafter and is the longest serving engineer of Water Wing in WAPDA.

His Brief list of appointments is as follows:

- 1954-59 Assistant Engineer Baran Dam / Kurram Garhi Multipurpose project.
- 1959-62 Technical Officer of Chief Engineer (Water) Wapda.
- 1962-65 Executive Engineer / Director Mangla Dam Project.
- 1965-69 Assistant Director / Director Mangla Dam Project.
- 1969-74 Project Director, Simly Dam Project / Director Water and Sewerage, Capital Development Authority Islamabad.
- 1974-76 Project Director, Ground Water Development NWFP / Project Director (North), Wapda Peshawar.
- 1976-77 Chairman Sarhad Development Authority, Peshawar.
- 1977-79 Deputy to Managing Director NESPAK.
- 1979-81 Chief Engineer Construction / General Manager Terbela Dam Project.
- 1981-87 Executive Director, Engineering & Consulting Associates Nigeria Ltd., Kano, Nigeria.
- 1987-88 General Manager, Kalabagh Dam Project
- Dec 1988 Member / Managing Director (Water) WAPDA. today

Mr. Shams ul Mulk has remained connected, in various phases of his career, with most of the dam projects in Pakistan like Baran Dam, Tanda Dam, Mangla Dam, Simly Dam, Terbela Dam and Kalabagh Dam project. He has remained incharge of an Engineering Consulting Company (a Partnership between Pakistani and Nigerian Engineers) for about 6 years and during this period some of the Major Dams, Sewerage and Highway Projects were planned, designed and constructed by the Company.

ADDRESS OF WELCOME

Mr. Nawaz Sharif, Prime Minister of Pakistan, Distinguished Guests, Fellow Engineers, Ladies and Gentlemen:

1. It is a great privilege for me to welcome you, Mr. Prime Minister, and all distinguished guests to the 64th Annual Session of Pakistan Engineering Congress. We are indebted to you, Mr. Prime Minister, for sparing time out of an extremely busy schedule to grace this occasion. It is, undoubtedly, a confirmation of your personal interest in direct and personal communication with engineers of this country. This encourages us a great deal.
2. Pakistan Engineering Congress, established in 1912 in the name of PWD Engineering Congress, is the oldest professional body of the South Asian Continent. The major objective of the Congress is the development and promotion of science of engineering and its practice. The Annual Session is a key element in this promotional effort, where Technical Papers, on subjects of national importance are presented and discussed. During the current Annual Session, 16 technical papers shall be presented for discussion, covering variety of subjects including, Waterlogging and Salinity, Irrigation Water Supply Distribution System, Replacement of Gates at Sukkur Barrage, Urban Water Supply Development, Waste Water Treatment, Urban Drainage, Energy Conservation, Self Sufficiency in Power-Development in Pakistan and Studies for Rehabilitation of WARSAK Hydroelectric Power Project.
3. Many papers presented from this platform have won world wide recognition. Some of the most important advances made in the fields of irrigation and reclamation engineering were first presented and discussed at the platform of this Congress. During the last 78 years, about 670 technical papers have been presented and debated. These publications constitute a valuable store house of knowledge available to all engineers and professionals within Pakistan and abroad.
4. Another feature of the activity of the Pakistan Engineering Congress is holding seminars and symposia on various subjects of current relevance. During 1989-90, we have successfully held a Seminar on "Construction Industry in Pakistan" and an International Conference on "Quality Assurance in Engineering Projects." This International Conference was participated by experts from the World Bank, United States Bureau of Reclamation, Canada, UK and a large number of Engineers from Pakistan. We also have scheduled a Symposium on "Operation and Maintenance of Completed Projects" to be held as a part of the Annual Session.
5. Mr. Prime Minister, we believe that without a properly organised construction industry, our capacity for implementation of projects would pose a big question mark. We believe that quality of engineering projects is essential, not only because as professionals our ethics demand quality engineering, but also because it has an economic dimension. We also believe that without adequate maintenance, the capacity of a project to perpetuate benefits is diluted; it again has an economic dimension of overriding importance to a developing country like-Pakistan. These, in our opinion, are very important national issues and by making them subjects of public debate we have sought national attention towards them. In accord with our usual practice, we shall be submitting our recommendations, based on the discussions in the Conference and Symposia to the Engineering Affairs Division of Ministry of Water & Power.

6. We are a part of the Third World and share the problems with developing countries of dreams unfulfilled, of visions untranslated into reality. In a land, blessed with inherent prosperity - and I particularly refer to 'the World's biggest contiguous irrigated network - our food security is still conditional upon weather. With an estimated potential of about 25000 MW of hydel energy in our rivers, we are struggling with a meagre 6000 MW of installed capacity; inflicting an enormous burden of load-shedding on national economy. Without claiming any diagnostic expertise of national malaise, what is obvious is that unresolved problems are exacting a price from us; and this price is getting heavier day by day. In the background of such despairing conditions, your pledge for self reliance through accelerated development has become a source of encouragement to all those concerned with the well-being of People of Pakistan. We, the members of Pakistan Engineering Congress, respond to your call by affirming our commitment to the better tomorrow. We urge you to accept us as Team-mates, under your captaincy, to embark on the grand journey towards a self-reliant and prosperous Pakistan. We assure you that we shall prove ourselves worthy of the challenges, because our short-comings notwithstanding, we have some notable achievements.
7. Thirty years back, the menace of Waterlogging and Salinity was depriving the country of one hundred thousands acres of highly productive land going out of cultivation every year. The trend has been reversed. Thirty years back, the total installed capacity of power generation in Pakistan was 119 MW. This has been increased to 6000 MW i.e. 50 times. The Indus Basin Project, costed on today's prices at US \$30 billion, was completed in time to avert a possible national disaster, due to India's claim on the Waters of S Eastern rivers, depriving about 8.00 million acres of highly productive land of its irrigation supplies.
8. We do recognise that waterlogging and salinity is still a major problem and load shedding has become a perennial feature of our power supply system. This is indicative of the enormity of the basic issues and inadequate allocation of financial resources to these sectors. There is an urgent need to rectify these shortcomings. However, the break through in Nuclear Technology, development of Surface to Surface and Surface to Air Missiles confirm the inherent capability of Pakistani engineers to meet the challenges of the present day.
9. In developing countries, where private sector institutions are comparatively less developed, the public sector plays a dominant role in translating visions of political leadership into physical infrastructure. The public service is thus the key element between the vision and the physical. Is the Public Service in Pakistan structured in a manner as to play its role productively? Is an environment available which is conducive to the realization of full potential of Engineers and other professionals? Most unfortunately, the answer is no.
10. A Service Reform Commission has been set up by the Government in early 1989 to review the status of implementation of the recommendations of 1973 Administrative Reforms Committee and to suggest further reforms in the structure of Civil Service in Pakistan. The Pakistan Engineering Congress has submitted comprehensive recommendations to the Service Reforms Commission for its consideration. I appeal to you, Mr. Prime Minister, to direct the Commission to finalise its recommendations in the shortest possible time. The Government should also implement its declared policy that all Technical Ministries, Technical Departments and Technical Corporations be headed by Engineers and other professionals of related disciplines and not by generalists.

11. Mr. Prime Minister: It gives me immense pleasure to congratulate you personally, and your Government, from the platform of Pakistan Engineering Congress for taking dynamic decisions in an effort to break away from decades old dependence on Foreign Aid and putting the national economy on strong foothold. By this act of statesmanship, you have opened up for Pakistan new vistas of immense potential. You have also shown our commitment to explore all avenues of setting up agro based and general industries to meet the national needs. This will be a very major achievement of your Government.
12. Mr. Prime Minister: Number of engineers working in a country is a useful indicator of the economic growth potential. In Pakistan, we have one engineer for a population of over 7000 people whereas in developed countries, the ratio is one engineer for less than 200 person. The irony of the situation is that inspite of such a low ratio of the engineers to the population, about 50% of the engineers qualifying from the Universities each year remain unemployed. An unemployed engineer is not a problem of personal inconvenience, to say it mildly, but tantamounts to a national tragedy. It shows that not only considerable financial costs in educating an Engineer has gone waste, but a resource potential is unused. We know that unemployment has a national dimension, and that it has a high priority - with your Government. We do point out, however, that it is the productive employment of engineers that produce avenues of employment for others. The problem, therefore, deserves resolution at top speed.
13. Mr. Prime Minister: Research and Development is an area which has been neglected for too long. We are spending only 0.16% of our GNP on Research & Development whereas in developed countries, the ratio is more than 1.5%. This lack of support to R&D is unfortunately widening the gap of technological developments between the developed and developing countries. There is an urgent need to accelerate our efforts in R&D because the stakes are too high and the Price of failure is unacceptable. Physical facilities for R&D is only one part of the problem. The other and more important is that there is no incentive to chose a research career. It is imperative to reverse this trend.
14. Mr. Prime Minister: Before I close, permit me to bring to your kind notice and for your sympathetic consideration a matter which has bothered us considerably in the recent past. Pakistan Engineering Congress is purely a professional Association run on the voluntary contributions of its members and well-wishers. We receive no financial help from the Federal Government but a meagre sum of Rs.10,000 from the Communication & Works Department of Punjab. We have not sought any direct help from the Federal Government in the past nor do we plan to do so now. Actually the fear of No has stopped us from making this request. But now we need your help. Let me explain.

For 67 years, we were homeless. In 1979, we built our Headquarters Building - only two floors - by raising funds through mortgaging future rents. It is only recently that we have moved into the basement of the Building and made it our Home. But we have a considerable Tax liability on account of Rental Income. We are in urgent need of this Tax relief, and we believe that since the Congress is not a profit-making body, and that its rental income is intended for utilisation towards the achievement of professional objectives of the Congress, we have a good case, for this relief. Precedents are available in case of Alfalah Building, Chamber of Commerce Building and Institution of Engineers Building which have been exempted from levy of income tax because all these institutions are non-profit making bodies. We, therefore, request you to kindly exempt the rental income of the Congress Headquarters Buildings from levy of Income Tax.

I have spoken for too long. Your gracious presence among us has bound us in gratitude to you. I thank you once again Mr. Prime Minister and I thank all the Distinguished Guests for their presence.

I request you now, Mr. Prime Minister to kindly inaugurate the 64th Annual Convention of the Pakistan Engineering Congress.

**PAKISTAN ENGINEERING CONGRESS 65TH ANNUAL SESSION
EXECUTIVE COUNCIL FOR THE 65TH SESSION (1992-93)**

PRESIDENT

Engr. Rana Allah Dad Khan

VICE PRESIDENT

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| 3. Engr. Rana Muhammad Saeed Ahmad Khan | 10. Engr. Abdul Razik Khan |
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| 5. Engr. Ch. Muhammad Khurshid | Treasurer |
| 6. Engr. Mian Fazal Ahmad | Chief Editor / Engg. News Journal |

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| 3. Engr. Zubair Shafique | 26. Engr. Riaz Haider |
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| 7. Engr. Hammad Naqi Khan | 30. Engr. Mehtab Khan Yousafzai |
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| 21. Engr. Muhammad Ali Modi | 44. Engr. Amjad M. Agha |
| 22. Engr. S. M. A. Zaidi | 45. Engr. Shuja-ud-Din |
| 23. Engr. Mian Muhammad Amin | 46. Engr. Anwar ul Hassan |



Engr. Rana Allah Dad Khan,
President, 65th Session (1992 – 93)
Pakistan Engineering Congress

**ENGR. RANA ALLAH DAD KHAN
PRESIDENT, 65th Session (1992 – 93)
PAKISTAN ENGINEERING CONGRESS**

The 64th Annual General Meeting of the Pakistan Engineering Congress was held on February 28, 1992. It elected Engr. Rana Allah Dan Khan-unopposed as its President for the 65th. session. For the first time in 80 years of its history, the Pakistan Engineering Congress has elected its President from the Private Sector. The auspicious shift in its age old tradition has unfolded new vistas and now the Private Sector engineers will march abreast the Public Sector engineers for better understanding, an essential ingredient necessary for the overall progress of the nation.

Engr. Rana Allah Dad Khan, a veteran Mechanical Engineer graduated from the Punjab college of Engineering and Technology in 1945. Instead of joining Govt. service, a dynamic young engineer as he was, he opted to launch his own industry and obtained valuable experience in automobile industry in Bombay, Peterbrough, Rochester and Wolver Hampton. He founded Rana Tractors which under his able management took enviable strides and emerged as a leading Agricultural machinery implements manufacturing industry. Simultaneously, he founded Rana Motors, a Firm that-became dealers of quite a good number of leading automobile makes. Rana Tractors Ltd. was nationalized by the then Government. After nationalization, it was named as Millat Tractors Ltd. His participation in the progress of Pakistan Engineering Congress can by no means be under rated. He has served as a member of the Executive Council for over twenty years: As an active member of the Building and Fund Raising Committee of the Congress, he has been instrumental in raising huge funds, sponsoring lunches / dinners at Seminars / Symposia and the Annual Sessions of the Congress.

He has served IEP as Vice President, Chairman, Vice Chairman and Central and Local Council member from Lahore. He also served as member of the Syndicate of the University of Engg, and Technology Lahore and Board of Tech. Education Lahore.

