

## C.V / RESUME

**ABDUL HAMID AKBAR**



### **Positions Held:**

1) Served Pakistan Atomic Energy Commission, for 40-years in various projects, and retired as ***Director General, Chashma Nuclear Power Generating Station***, in March, 2014.

At my credit, 20-years' experience of managing the nuclear power projects with Chinese counterparts and handled complex infrastructure engaged with public at the highest level, managing in build-up of specialized workforce for the operation and maintenance of the four nuclear power projects.

Participated in the project management programs of International Atomic Energy Agency (IAEA) at the Nuclear Centre, Deajon, South Korea, 2002.

2) Worked for two Chinese State-owned Companies:

- Sr. Advisor, China National Nuclear Corporation, China, Zhongyuan Engineering Corporation (CNNC / CZEC) , from April 2014 to March 31,2018
- Senior Advisor, China Nuclear Industry, Huaxing Construction Company Ltd (CNI HXCC), from January 2016 to December, 2018.

3) Presently, serving South Asian Strategic Stability institute ( SASSI), at Islamabad, as Director, center for Nuclear policy & Technologies, with specific reference to Managing interfaces with the peaceful uses of Atomic Energy in Pakistan , collaboration regarding Nuclear Safety and Nuclear Security of nuclear facilities in Pakistan and the Disarmament and Non-Proliferation issues. SASSI, being a member of IAEA –INSEN, and a close collaboration with WINS , Vienna and VCDNP, Vienna, by holding international webinars and participating in their international workshops/ conferences ,on issues of nuclear security and safety.

4) Having a general proficiency in Chinese language.( HSK Level-1)

5) Having good health with excellent communication and inter-personal skills

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<b>Date of Birth</b>	: March 18, 1949
<b>Education</b>	: B.Sc. Engineering( Chemical Engineering) in 1972 from University of Engineering & Technology, Lahore, Pakistan
<b>Nationality</b>	: Pakistani
<b>Language proficiency</b>	: English, German, Chinese

### **A) Tasks Performed with CNNC / CZEC:**

- Worked as Sr. Advisor for CNNC / (CZEC), Beijing, China, from April, 2014 to March, 2018) in the discipline of Nuclear Power domain and posted at its Islamabad office. During this tenure of my service, the feasibility study of building a 1100-MWe nuclear power project on BOT, and EPC mode of contracts carried out with financing mechanism. The procurement documents of manufacture of major NSSS components prepared. General schedule (Level-1) of the nuclear project prepared earmarking the various milestones.
- Participated actively with top hierarchy in the selection of various sub-contractors (Tier-1 to Tier-4) for the above project.
- I assisted CZEC, in exploring various projects in CPEC & in the One belt One road, and earned small and medium projects ,in manufacturing, development of new materials , solar energy projects, energy power generation equipment, Information technologies.

### **Profiles Achieved:**

- Acquired analytical skills and the ability to assimilate the various aspects of emerging issues
- Talent in negotiating the various contracts pertaining to nuclear power project
- Excellent spoken and written communications in English. A good knowledge of German and Chinese language
- Ability to work under pressure and meet objectives within deadlines
- Excellent knowledge of IT tools (Office, Internet, Social Media)
- Command on business issues relating to nuclear project.
- Good net-working and interpersonal skills.
- A pro-active and dynamic personality with team spirit, multitask, well-organized and flexible approaches.
- Earned SME projects.

## **B) Tasks performed with CNI HXCC:**

Various projects in CPEC and other than CPEC earmarked depending upon the expertise of the company and participated in the Pre-Qualification / bidding.

## **C) EX- DIRECTOR GENERAL, Pakistan Atomic Energy Commission (PAEC)**

As Director General, Chashma Nuclear Power Generating Station (CNPGS), responsibilities include:

- Accountable for the overall management of the Nuclear Power Generation at Chashma Unit-1 (325 -MWe PWR) and Chashma Unit-2 (330 -MWe PWR)
- Responsible for providing Strategic direction and ensuring adequate monitoring of operations, Quality Management Systems, maintenance, outage and works management programs at Chashma Site so that performance in these areas remains aligned with the business goals of nuclear generation
- Overall responsible for Chashma Units-3&4 (each with 340 -MWe PWR) during its construction phases

## **Summary of Skills**

- Accomplished Nuclear Power Project Management with over thirty years of progressively responsible experience
- Excellent working knowledge of Power Plant Systems, equipment, practices and contractual requirement
- Hands on experience of engineering principles, Project Management and Cost Control techniques
- Extensive knowledge of Pressurized Water Reactors with Project Management engineering and finance interfaces
- Comprehensive knowledge of Codes and Standards (ASME/ RCC-M) for the design, construction and installation of NPPs
- Sound knowledge of Quality Assurance practices as per international practices of ASME-Section-III, ISO 9001, ISO 14001, EN 9100, IAEA GS-R-3 Quality Management Systems
- Preparing project Quality Plan, disposition of non-conformance reports, and internal and external auditing process
- Sound knowledge of IAEA nuclear safety and safety culture and regulatory guidelines and NPP concepts, INPO guidelines
- Well-versed in communicating effectively with strong leadership and management skills

- As focal person during conduct of IAEA OSART MISSIONS / follow-ups, WANO PEER REVIEWS / follow-ups
- Development and Execution of equipment reliability program, Inspection Programs during the manufacturing and operation of NPPs
- Practical know-how and expertise in the welding and NDT / Quality Assurance of reactor coolant piping welds of Safety Class-1, 2 and 3

### **Professional Experience Highlights**

- Worked at Nuclear Research Centre, Karlsruhe, Germany from 1978 to 1979 under IAEA Program in the field of Radioactive Waste Management
- Worked with Siemens / Kraft Werk Union (KWU), Germany from 1986 to 1988 for the project management of NPPs and acquired professional skills at 1300-MW nuclear power project site of Neckarwestheim Unit-II, Germany and worked with the Quality Assurance / Project Management organization of the site, developed QA program of installation and commissioning and participated in installation / welding of main reactor components and piping in RX, and qualification to NDT Level-II in UT, RT, PT, MT and ET, according to German Standards
- Participated at IAEA Program on NPP Project Management at South Korea in the Year 1998 and Year 2002

### **At International Forums**

Participated in International Conferences at IAEA, Vienna / World Nuclear Association (WNA) forums, London and made Presentations on behalf of PAEC / CNNC / CZEC in the Year 2013, 2014, 2015 and 2016. Also represented CNNC / CZEC at Active Communications International forum (ACI) and Nuclear Energy Insider, London in Year 2016.

- IAEA Technical Working Group meeting on PLIM/PLEX, 2013
- IAEA Ageing Management of nuclear power plants, Conference, 2014
- IAEA Expert meeting on Human and Organizational Factors in nuclear safety Conference, 2014
- Presented “Challenges in the nuclear new build”, at WNA Symposium, 2015
- Presented “Operational Safety in the nuclear power plants”, at IAEA, 2015
- Safety Culture at nuclear power plants, IAEA, 2015
- Nuclear Energy Insider Group, SMR SUMMIT, London, 2016
- Active Communications International (ACI), Nuclear Decommissioning and Waste Management Conference, London, 2016