

JOBAID KABIR

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EDUCATION

Ph.D. Engineering Science, November 1982
MS Civil and Environmental Engineering, May 1979
MS Water Resources Engineering, August 1977
BS Civil Engineering, January 1974

SUMMARY EXPERIENCE

Dr. Jobaid Kabir is the Manager of Environmental Compliance of the Lower Colorado River Authority (LCRA) of Austin, Texas. At his current position, Dr. Kabir is responsible for environmental compliance of three coal fired power generation units, four gas fired power generation units, six hydropower stations, several thousand miles of high-voltage power transmission lines, 35 water and wastewater treatment facilities and three irrigation districts with over 1000 miles of canals. He is also serving as an Adjunct Faculty of the Lyndon B. Johnson School of Public Affairs of the University of Texas at Austin (UT/A). Dr. Kabir received his Ph.D. in Engineering Science in 1982 from the Washington State University (WSU) and a master's degree in Civil and Environmental Engineering in 1979 also from the WSU. He received his masters in Water Resources Engineering in 1977 from the Bangladesh University of Engineering and Technology (BUET) and BS in Civil Engineering in 1974 also from the BUET. During 1974, Dr. Kabir served Sarm Associates, Inc. as Assistant Engineer. From 1974 to 1977 Dr. Kabir served as a Lecturer and later as an Assistant Professor of Water Resources Engineering of BUET. From 1978 to 1982, he was a Research and Teaching Assistant and later Research and Teaching Associate at the WSU. During 1983 and 1984 Dr. Kabir was a Visiting Assistant Professor of the University of Idaho. During 1984 to 1987, he was the Senior Hydraulic Engineer of Austin Research Engineers, Inc. At the LCRA, Dr. Kabir was Senior Engineer from 1987 to 1993, Environmental Auditor from 1993 to 1996 and from 1996 to 2002 Manager of Water Resources Planning. From 2003 to date Dr. Kabir is responsible for the environmental compliance of the entire company at his capacity of the Manager of Environmental Compliance. Dr. Kabir joined the Lyndon B. Johnson School of Public Affairs of the University of Texas in 1993 as the Adjunct Professor.

Dr. Kabir performed technical analysis leading to developing House Bill 1437 of 76th session of Texas legislators allowing transfer of LCRA water to Williamson County. Also, he performed key technical analysis leading to House Bill 1629 of 77th legislative session of Texas legislators allowing sell of Colorado River water to San Antonio Water Systems. Designed and implemented water measurement, volumetric pricing and billing project for water conservation in Lakeside and Gulf Coast irrigation districts. Dr. Kabir conducted several water quantity and quality computer modeling of surface and groundwater systems. He managed various consultant contracts including Senate Bill

1 Regional Water Planning contracts for the Lower Colorado Regional Water Planning Group. Managed teams of various conflicting interest groups and several consultants in developing regional water plan for the lower Colorado planning region and for developing LCRA Water Management Plan.

Dr. Kabir's research and teaching interests include environmental management, environmental engineering, environmental auditing, pollution prevention, waste minimization, environmental assessment, environmental performance measurement, water management, natural resources management, agricultural engineering and public policy, both in the U.S. and overseas. His publications include over ninety articles and reports. Dr. Kabir and his co-researchers has been the recipient of many research or service delivery grants or contracts. Private foundations, local government agencies, regional agencies, Texas and Washington state government agencies and U.S. federal government agencies funded these projects. Dr. Kabir has 25 years of industry research and teaching background in public policy development, environmental management, environmental auditing, water resources planning and management, and international programs. He is actively involved in developing integrated long-term environmental management plan, environmental compliance plans, water resources plans, water management plans and drought management plans for Lower Colorado River Authority in Texas. Dr. Kabir conducted computer modeling of several complex environmental and natural processes for several organizations. He provided leadership in developing and implementing environmental management system and environmental auditing program for a LCRA's water supply and electric power generating facilities in Texas. Dr. Kabir has conducted environmental, pollution prevention, waste minimization audit and performed environmental assessment of various industrial facilities in the United States and overseas. He also developed and supervised corrective action, reporting and tracking programs for the implementation of the environmental audit and environmental management system audits for various facilities in Texas.

Dr. Kabir provided expert services to the United States, Peoples Republic of China, Mexico, Canada, Nepal, Israel, Turkey and Bangladesh for improving environmental performance and for developing water management plans, developing drought management plans, developing integrated water resources plan, developing water conservation plan, engineering and economic assessment hydropower generation and water supply facilities, groundwater systems design. Dr. Kabir has designed many hydraulic structures, irrigation systems, water supply systems, water transmission system, water treatment facilities, wastewater collection systems, wastewater treatment facilities, roads, irrigation system and buildings in the United States and overseas. He managed projects for design of Farm to Market Roads, Bridge Inspection, Roadway Pavement and Drainage System Evaluation in Texas. Dr. Kabir assisted in developing exchange program between the University of Texas at Austin and the University of Guelph, Ontario, Canada. Dr. Kabir has offered academic graduate courses and short courses in water conservation, water resources planning and management, pollution prevention, environmental management, environmental auditing, river authority management, public policy, public communication, hydraulics, hydrology and numerical modeling at major universities in the United States and overseas. Dr. Kabir established hydraulic laboratories in the United States and Bangladesh. He was the team leader for preliminary assessment of Texas-Bangladesh Environmental Initiative for helping United States industries market their environmental product and services to Bangladesh. He provided expert services to the Yellow River Conservancy Commission of the People's Republic of China in environmental protection, reservoir

operations, hydropower operations, and water resources planning & management.

FOREIGN ASSIGNMENTS

- Team leader for two teams of experts to Turkey in 2002 and 2003 for developing environmental management system and for developing water conservation systems.
- Team leader of a three-member United States delegation to Israel to study reclaimed water use for irrigation in Israel, January 2000. Also in July 2000 served as the team member of a five-member United States delegation to Israel to study reclaimed water use for irrigation in Israel.
- Participated in the United States Information Agency funded faculty exchange program between the University of Texas at Austin and the University of Guelph, Ontario, Canada, July 1999.
- Team Leader, Preliminary Assessment of Texas-Bangladesh Environmental Initiative; Lead a five member delegation to Bangladesh to meet with industry management and policy makers to assess and formulate a plan for helping Texas industries market their environmental product and services to Bangladesh; December 1996 - January 1997.
- Taught a short course on River Authority Management to participants from industrial and government sectors of Bangladesh. November 1996. Also taught a short course on Environmental Pollution Prevention to participants from industrial and government sectors of Bangladesh. November 1995. Taught a short course on environmental auditing to participants from industrial and government sectors of Bangladesh. November 1994.
- Provided expert services to the Yellow River Conservancy Commission of the People's Republic of China in environmental protection, reservoir operations, hydropower operations, and water resources planning & management; September-October 1992.
- Developed a faculty exchange program between Bangladesh University of Engineering and Technology and University of Texas at Austin from 1992-1997.

PAST AND PRESENT PROFESSIONAL AFFILIATIONS

- American Society of Agricultural Engineers
- American Society of Civil Engineers
- American Water Works Association
- National Society of Professional Engineers
- National Geographic Society
- Texas Society of Professional Engineers
- Environmental Auditing Roundtable
- Bangladesh Institute of Engineers
- Member, Surface Water Hydrology Committee, American Society of Civil Engineers
- Member, Groundwater Committee, American Society of Civil Engineers
- Control Member, Task Committee of Wetland Hydrology, American Society of Civil Engineers
- Chairman, National Science Scholarship Program, 1990-1995
- Regional Planning Group member for developing Texas State Water Plan
- Water Conservation Implementation Task Force member for Texas.

PROFESSION REGISTRATION

- Registered Professional Engineer, Texas, USA, 1986
- Registered Professional Engineer, Arizona, USA, 1992

PUBLICATIONS AND REPORTS

More than ninety publications and reports on environmental management, environmental assessments, environmental performance measurements, environmental auditing, water resource planning, hydraulics, and hydrology.