

## **Profile of Engr. Md. Muzammel Haque:**

Engr. Md. Muzammel Haque, former Chairman of the Bangladesh Atomic Energy Commission (BAEC) has been appointed as a Member of Bangladesh Atomic Energy Regulatory Authority (BAERA) by the government of Bangladesh for a term of 3 (three) years on 15.12.2016. Engr. Haque graduated from Bangladesh University of Engineering & Technology (BUET) in 1977 in Civil Engineering and joined BAEC in the same year. He has been trained in various fields of Nuclear Technology during his long professional career. Major fields of his trainings include- CPM in Project Management; Quality Assurance Principles for Nuclear Power Plant; Nucleonic Instrumental Technique in Civil Engineering; Food Irradiation Engineering; Pre- project Activities and Manpower Development for Nuclear Power Project includes visits to NPPs; Construction of Nuclear Power Plants; Radiation Protection & Radioactive Waste Management; Physical Protection System for Nuclear Materials & Facilities, etc. He served BAEC in different capacities including Member Engineering, Director Engineering, Project Directors of various ADP projects for developing important infrastructures of BAEC like '3MV Tandem Accelerator Project', 'BAEC HQ Project', etc. He was also directly involved in the design, development and construction of the 3MW Research Reactor facility; various lab facilities of Institute of Nuclear Science & Technology such as Radioisotope production laboratory, Central radioactive waste management and storage facility; Nuclear Medicine Centers in Dhaka, Bogra, Barisal, Comilla, Rangpur ; 120kCi & 300kCi Cobalt-60 Irradiator facilities at Chittagong & AERE, Savar respectively maintaining desired level of nuclear safety & radiation protection requirements as per the IAEA code of practices.

Engr. Haque actively participated in the feasibility study of Rooppur Nuclear Power Plant (RNPP) project carried out by 'Lamy International & Motor Columbus' in 1986. He has profound contribution in the implementation of "Accomplishment of Essential Activities to Implement RNPP" project. He worked as the Convener & Member of the Committees formed for drafting and finalization of the Bangladesh Atomic Energy Regulatory Act-2011 (BAERA). Besides, he directly contributed in the implementation of the "National Institute of Biotechnology", "Basic Infrastructure for High-Tech Park (Phase-2)", "National Oceanographic Research Institute (1st Phase)" and several other projects of the Ministry of Science & Technology & BAEC. He also worked as the convener/member/member-secretary of the several Sub-Committees formed by the Govt. of Bangladesh as well as BAEC for building up various nuclear infrastructures in the country in connection with the implementation of RNPP project based on IAEA Mile Stone documents. He coordinated various activities related to Site specific design parameters; Geotechnical studies by BRTC, BUET; Mathematical modeling work conducted by IWM of Ganges River; top level monitoring of activities of 'Nuclear Safety & Radiation Control Division (NSRCD)' of BAEC; as the focal point of the Comprehensive Test Ban Treaty Organization (CTBTO), Vienna, Austria for implementation of the 'Auxiliary Monitoring Station (IMS)' at Baryadhala, Chittagong. He worked as the team member of the Bangladesh Delegation to the Russian Federation in connection with finalizing the draft Inter-governmental Agreement for construction of NPP. He also participated in the scientific visit program on Management of Nuclear Power Plant Construction in Moscow, Russian Federation which included visit to the under construction NPP at Leningrad; Forum for Nuclear Cooperation in Asia (FNCA) at Jakarta, Indonesia; scientific visit on Security of Radioactive Sources and Physical Protection System of Nuclear Facilities & Materials at PNNL, US Department of Energy (DoE) in Seattle, USA; the General Conference (GC) IAEA, etc.

Engr. Haque is a Life Fellow of the Institute of Engineers, Bangladesh; Life Member, BUET Alumni Association; Member, Bangladesh Society of Non-Destructive Testing (NDT).