

## **Brief Résumé of Mr. Kazi Obaidul Awal**

Mr. Kazi Obaidul Awal B.Sc. EE (1969), M.Sc. Nucl. Tech. (1971) and SRO Licensee from the USNRC (1977) joined BAERA, on 3 years' contract, as a Member on 18<sup>th</sup> December, 2016. Mr. Awal mostly served in BAEC (Sept. 1970 to Jan. 2004) on different capacities. After retirement, he served as a full time (May 2004 to Jan 2011) and part time (Jan 2011 to Oct 2016) faculty member in the EEE Department of Islamic University of Technology (IUT), Boardbazar, Gazipur.

Mr. Awal was primarily associated with a number of energy and nuclear/radiation related national and international studies. As an Associate Member, Bangladesh Energy Study (UNDP, ADB and GOB Project -1974-75) his contributions lead to the Govt. decisions of establishment of (1) Bakhraabad Gas Supply System and (2) East-West Power Grid Interconnector of BPDB. He as the Project Director Electrical and Mechanical works BAEC/AERE improved the Electrical and tele-communication system of AERE.

He conceived, designed, commissioned and managed Sandwip Solar PV Project 1987-1993, which earned reputations outside Bangladesh. Mr. Awal, along with two professors of BUET salvaged, which the IAEA experts failed, 3000 Ci Cobalt -60 source of BINA, Mymensingh, March 1990. He was one of the peer reviewers of 'World Energy Assessment-Energy and the Challenge of Sustainability', UNDP, UNDESA and WEA, ISBN92-1-126126-0, New York, 2000'.

Mr. Awal had been the Member Secretary of National Nuclear Safety Committee (1986-2000) and was the key person in creating NSRCD in BAEC. He had prepared PP of NSRD in 1995 and had completed the same in 2000. He had planned and coordinated the national survey, assessments and the subsequent publication (84 volumes) of data of all ionizing radiation sources in Bangladesh (1999-2001). The study had lead to the inclusion of Bangladesh in UNSCEAR reports.

Mr. Awal was the country representative/focal person of the IAEA International Nuclear Event Scale Program (1990-2001) and Regional Cooperation Agreement Projects on: i) radiation protection, ii) legal matters, iii) regulatory infrastructure and v) emergency response plan. He is one of the contributors and reviewers of the *International Basic Safety Standards on Radiation Protection and Safety of Radiation Sources* (IAEA, ILO, NEA, WHO, OECD sponsored)-IAEA SS No. 115, Vienna, 1996.

Mr. Awal was the key person for drafting and steering through the promulgation of the Nuclear Safety and Radiation Control Act, 1993 (No. 21 of 1993) and the subsequent promulgation of Nuclear Safety and Radiation Control Rules-1997 (SRO No. 205 –Law/97). He also worked as a Member of GWCC of Bangladesh. He had planned, contributed, edited and coordinated the publication of three (WHO-BAEC sponsored) Regularity Guides on: i) *X-ray Machine: NSRC-XM-G-01*; ii) *Nuclear Medicine: NSRC-NM-G-01* and iii) *Radiotherapy Practices: NSRC-RT-G-01* (2002). The documents are still in use in BAERA regulatory activities.

Mr. Awal had organized about 40 international/regional, national and local seminars, workshops and training courses.