

Bangladesh Agricultural Development Corporation (BADC) established in 1961, is the pioneer in the field of minor irrigation in Bangladesh. Initially the main responsibility of BADC was “supply and service” of agricultural inputs. In 1999, as per government gazette, BADC has been reorganized with new responsibilities to meet the needs of farmers. Improvement of irrigation efficiency and water productivity; collection of data and information related to surface and groundwater application, their qualitative and quantitative analysis were given top priority. Conducting research, planning and development of natural resources; water, soil, irrigated agriculture, food production and protection of natural environment were given more importance.

As a part of this new responsibility, BADC prepared the country’s ever first groundwater zoning map, the 3 dimensional digital elevation model (3D DEM), a judicious groundwater management tools using 10 years data of 3809 observation wells. BADC also prepared a rice production model that indicates that utilizing the country’s presently used resources, Bangladesh can produce 70 million tons of rice which is just double the country’s present yearly production by managing irrigation water, soil, fertilizer, pesticides and seed. This model is also an important output of Minor Irrigation Wing of BADC.