

## Resume

### MD. MOZIDUL ISLAM

Executive Director (Admin & Finance), MCERC Pvt. Ltd.

B.Sc (Hons), M.Sc in Physics, Dhaka University.

PGD in Seismology, Japan.

Former Deputy Director, Bangladesh Meteorological Department.

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### Career Objective:

As a dedicated Seismologist and Meteorologist with 29+ years of experience at BMD, I offer a unique dual-specialization in climate prediction and seismic source physics. With a PGD in Seismology and a proven track record as a Project Director, I specialize in high-resolution imaging, seismic wave modelling and PSHA. My goal is to leverage these computational strengths to enhance real-time early-warning systems and bridge the gap between theoretical geophysical research and practical disaster mitigation, ultimately translating complex data into actionable safety insights that protect lives and infrastructure.

### Career Summary:

I am a multidisciplinary expert specializing at the intersection of atmospheric science, geophysics and strategic project management. With a dual background as a Meteorologist and Seismologist, I possess a deep technical understanding of both fluid and solid Earth dynamics. This scientific foundation is complemented by my leadership as a Project Director, where I translate complex environmental data into actionable development strategies, infrastructure resilience and Disaster Risk Reduction (DRR) initiatives. I am highly skilled in strategic management including the preparation of Annual Procurement Plans (APP), project supervision and execution. I ensure timely and compliant implementation of projects by fostering national and international partnerships and conducting all procurement activities in strict accordance with **PPR-2008** guidelines.

### Area of Expertise

- **Meteorology:** Advanced synoptic forecasting, climate modelling, and extreme weather risk assessment.
- **Seismology:** Seismic hazard analysis, earthquake monitoring, and wave propagation modelling.
- **Project Leadership:** End-to-end management of large-scale development projects, from stakeholder engagement to technical execution and APP preparation.
- **Disaster Mitigation:** Designing multi-hazard early warning systems and resilient urban planning frameworks.

### Fields of Skill:

#### i. Scientific & Technical Skills

- **Weather & Climate:** Weather forecasting and climate prediction using advanced numerical weather models.
- **Seismology:** Seismic hazard analysis (PSHA), earthquake monitoring and wave propagation modelling.
- **Geospatial Tools:** GIS, Remote Sensing and Generic Mapping Tools (GMT).
- **Operating Systems:** Linux and Unix environments.

#### ii. Project & Strategic Management

- **Project Lifecycle:** Planning and development, monitoring and evaluation (M&E), and general administration.
- **Procurement:** Expert knowledge of PPR-2008 and Annual Procurement Plan (APP) execution.
- **Disaster Management:** Environment and disaster risk reduction (DRR) strategies.

#### iii. Data & Digital Proficiency

- **Data Management:** Large-scale environmental data analysis and MS Access database management.
- **Software Suite:** Advanced MS Excel (data analysis), PowerPoint (strategic presentations) and Microsoft Office.

### Publications : Total 04.

- “Determination of Hypocentre and Source Mechanism for Earthquakes in Japan” (Vol. 40, 2004, Seismology and Earthquake Engineering (IISEE), Japan).
- “Recent Past Devastating Earthquakes in Asia and Bangladesh Perspective” (Atmosphere-Vol.-2, 2007, Bangladesh Meteorological Department.),
- “Moment Tensor Solution for Earthquakes in and around Bangladesh Using Single Station Broadband Seismogram” (The Atmosphere- Vol 4, No. 1, 2014, Bangladesh Meteorological Department),
- “Comparison of Simulated Storm Surge Over Bangladesh Coast using MRI Storm Surge Model” (Atmosphere-Vol. 6, 2016, Bangladesh Meteorological Department).

### Language Proficiency: Bangla, English.

**Reference:** Mrs. Arjumand Habib, Former Director, BMD, DOHS, Mirpur-12, Dhaka. Cell- 01720172495.

**Date: 10-02-2026**

**Signature**