

**Project PI:** Er. Md. Reyazur Rahman

**Project Title:** Solid/hollow blocks from CO<sub>2</sub> mineralized alkali-activated binder

**Objectives:** To investigate the effect of carbonation on microstructure and mineralogy of the reaction products in alkali-activated binders.

To maximize the carbon mineralization potential by optimizing relative humidity, temperature and CO<sub>2</sub> concentration.

To develop building products such as solid/hollow blocks (25 MPa) utilizing carbon mineralization process and its properties evaluation.