

Objective : To identify a solution for Sampling of raw or intermediate materials from Cement Processing for testing purposes.

Description : Materials need to be sampled from Raw Mill, Kiln Feed, Clinker (post grate coolers), Cement mill outputs and Packing silos of Cement plants. This activity can be in hazardous zones and can be strenuous for manual labour. We intend to automate the sampling process and in the future the testing of samples.

Challenge Scope :

1. **Current practices** – Samples are manually collected from various hazardous zones.
2. **Challenges faced** – Time requirement is higher, human error is possible.
3. **Scope of implementation** – All UTCL Clinkerization and Grinding units.