

# Raw Material Chemistry and Raw Mix Design

## PENTA's Qualifications

Our deep knowledge and broad experience in cement provide highly effective solutions in mine planning.

## Services:

- Analysis of Mining Plan versus limestone chemistry.
- Impact of limestone chemistry on raw mix design.
- Review of available additives and their chemistry.
- Review of coal ash analysis and coal ash absorption in clinker.
- Assessment of negative impact from contaminants in the raw materials on process, clinker quality, environment and permits.
- Identification of additional corrective materials if required.
- Economics of raw material input costs.
- Recommendation of Optimum Raw Mix design for the longest quarry life.



## Benefits:

- Optimum utilization of limestone and other additives.
- Mine planning to stretch the mine life.
- Logistics analysis for optimum mining costs.
- Foretell the risks from contaminants.

