

Syllabus Post Code: BLB-04

Plant Engineering

- Selection criteria for equipment like crushers, grinding mills, kiln, cooler, fan, bag filters, storage and material handling of raw meal, coal, clinker and cement etc. used in cement plant
- Design consideration of cement plant and machinery
- General arrangement drawings, flow sheet and plant layout preparation and review methods
- Engineering for cement plant utilities like, compressed air system, water distribution system
- Basic electrical, civil and process engineering concepts
- Basic financial terms, IRR, BEP, DSCR, NPV etc.
- Latest developments in plant equipment, their operation and control
- Types of material handling equipment used in cement industry and selection criteria.

Plant Maintenance

- Principles of maintenance management
- Preventive maintenance
- Condition monitoring techniques used in cement plants
- Maintenance of crushers, grinding mills, kiln, cooler, stacker & reclaimer, bag filters/ESP etc.
- Safety practices in cement plant