



Structural Specialities
& Projects (India) Pvt. Ltd.

Repair & Rehabilitation of Cement Plant Structures at Madukkarai, TN



Industrial Plants & Factories

Structure Details

Repairs & Rehabilitation of Various Cement Plant Structure including 5 nos. of Cement Silo, Clinker Silo, Cooler, Packaging Unit, Raw Material Gantry

Brief Scope of work:

- Bad / damaged concrete was removed and corroded steel was cleaned. Provided Corrosion Inhibitor treatment and further coated with anti corrosive treatment to provide protection from chloride ion penetration, carbonation and weathering effects
- Reinforcement supplemented where effective dia. was reduced substantially.
- Lost sections in cover zone were rebuilt using pre-packed PMM over weld mesh and polymer bond coat.
- Micro-concrete Jacketing work for Structural Strengthening work
- Fabrication and Erection of Structural Steel
- PCC and RCC Works, Roofing and Waterproofing works
- Injection of Low Viscous Epoxy Grouting, Cement Grouting
- Anti-carbonation Protective Coating to external structures

Project Highlights

- The Repair job was executed with entire plant operational. The repair work was executed in co-ordination with operational facilities with utmost SAFETY precautions at all time.
- SSPI Team has successfully managed all the challenges and delivered the project within Stipulated time and quality and with ZERO accidents / LTI.

Client
ACC Ltd.

Period
2014-15

Key Items of work
Structural Repair &
Rehabilitation using
PMM & Micro
Concrete

Injection Grouting
using LV Epoxy

Structural Steel
Fabrication

Anti-carbonation
Coating