



Structural Specialities
& Projects (India) Pvt. Ltd.

Structural Strengthening work of 220kva Switchyard Control Bldg Sanand, Ahmedabad



Industrial Plants & Factories

Structure Details

Structural Strengthening of 220kva Substation Building in the Plant area. A structure which is the source of power transmission in the entire plant.

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 Epoxy bond coat.
- Corrosion Protection System by installation of Sacrificial Anodes.
- Structural Strengthening using Micro-concrete Jacketing and installation of Carbon Laminates
- Micro-concrete Jacketing for Structural Strengthening
- Injection of Low Viscous Epoxy Grouting, Cement Grouting

Project Highlights

- Extremely Sensitive area work in Substation building. A small error in working could turn in hazard in the entire plant. The Repair job was executed with entire plant operational and with close co-ordination with operational facilities with utmost SAFETY precautions at all time.
- SSPI Team has successfully executed the project in time and quality and with ZERO

Client

Tata Motors Ltd.

Period

2018-19

Key Items of work

Structural Repair work
using Ready mix PMM

Micro concrete
Jacketing

Carbon Laminates for
Strengthening

Sacrificial Anodes

Anti-carbonation
Protective Coating